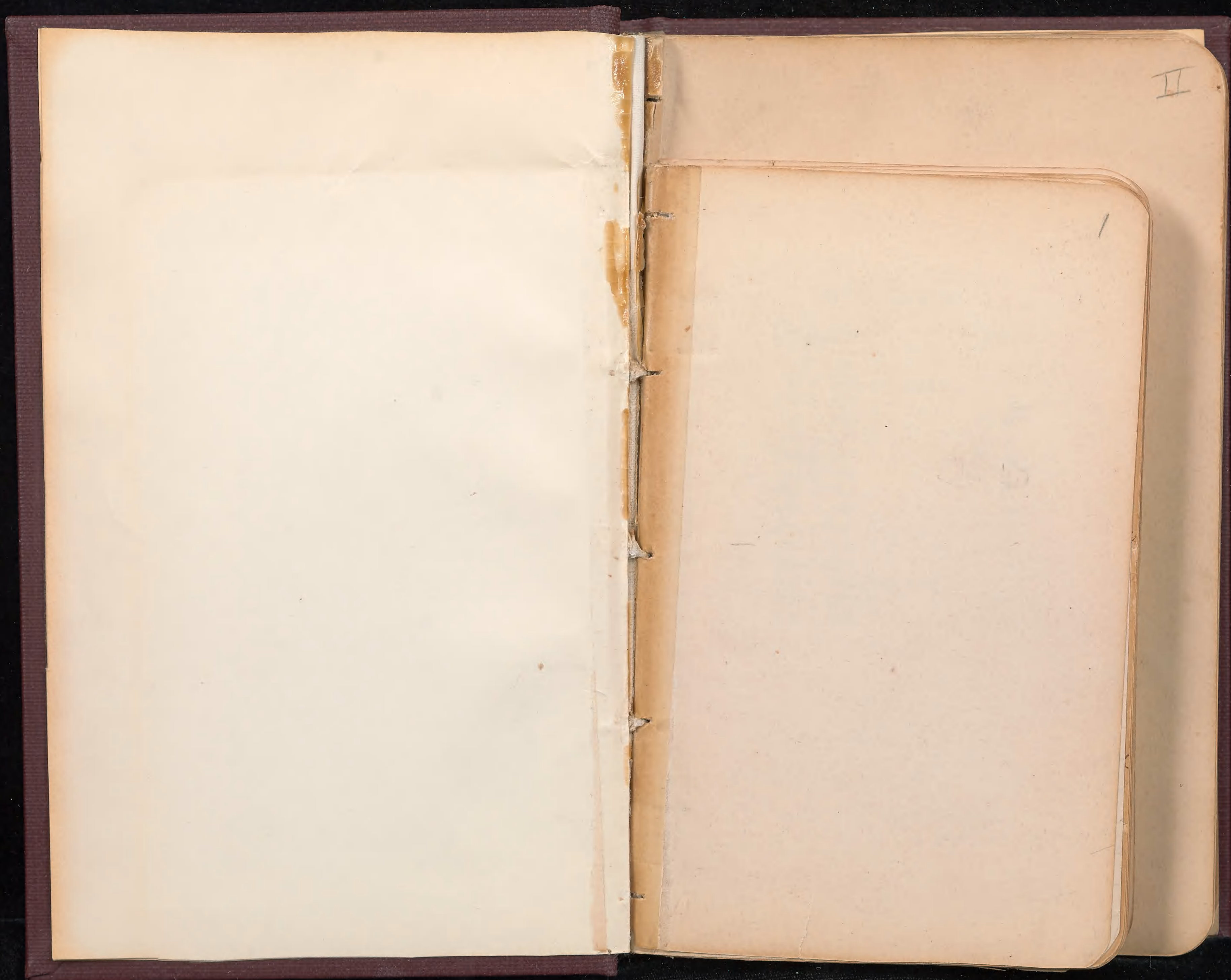


CK

NY

06

NY



II

1

OUT OF SEQUENCE

<u>Coll. Nos.</u>	<u>Page</u>
1 - 29	1-4
30 - 100(not used)	
101 - 109	5
110 - 199	23-35
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216- 300 300	36-41
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510 - 549 (not used)	
550 - 599	15-20
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896-875

PLANTS OF FLORIDA.

Panicum

platuwood prairie

Myers

At Hitchcock

April 12, 1906

Grass collections 1905
(not sets)

- 1 Homalocenchrus
Orangeburg, S.C. Aug 17
- 2 Panicum
same not cited Aug 18
- 3 Panicum angustifol
same not cited Aug 18
- 4 Panicum ^{nitidum Lam} subcylindricum
same Aug 17
- 5 Panicum arvense
same not cited Aug 17
- 6 Panicum gadmure Ashe
same Aug 16
- 7 Panicum ^{philadelphicum Michx} humile (Eng)
same S.M. Aug 16
- 8 Panicum angust group
same not cited Aug 16
- 9 Panicum angustifolium
rasping rough, Orangeburg 8/18

1905

- auburne Ashe
~~albemarle Ashe~~
- 10 *Panicum lanuginosum*
sandy pine woods
Orangeburg S.C. Aug 19
cited
- 11 *Panicum*
"seems different from At-
lanticum. only 2-3 culms
+ these prostrate. Low
pine woods.
same not cited Aug 19
- 12 *Panicum lanuginosum* Ell
not same prostrate Aug 19
Eu
- 13 *Panicum ciliatum* Nash
not same prostrate Aug 19
C
- 14 *Panicum leucothrix* Nash
same Aug 19
- 15 *Panicum* ~~sub~~ *nitidum* Lam
barbulatum? Mix
same Aug 19
- 16 *Panicum longiligulatum*
hispidum? ha.
" Aug 19

1905

- 17 *Panicum aciculare* Desv
Orangeburg, S.C. Aug 19
- 18 *Paspalum distichum*
Aug 16
- 19 *Panicum fasci* Pan
Aug 16
- 20 *Panicum oligosanthos* Schult
Aug 18
- 21 *Panicum commutatum*
not cited Schult
Aug 18
- 22 ~~392~~ *Panicum atlanticum* Nash
= N+C 147 *villosissimum* Aug 19
- 23 *Panicum*
note "is this the same as yesterday
from open ground?" Aug 19
- 24 *Panicum*
set = N+C? Aug 19

1905

- 25 *Panicum ~~strepitans~~ ^{flavovirens} Nash*
Orangeburg Aug 17
- 26 *Panicum ~~inflatum~~ ^{sphaerocarpon} (100) ^{Hedberg}*
8/19
- 27 " *sphaerocarpon* but looks
note very like *sphaerocarpon*
inflatum!
- 28 *Panicum lindheimeri* Nash
note low sandy ground
Orangeburg SC Aug 19
- 29 *Pasp. floridanum*
(30) Orangeburg SC
Aug 18, 1905
- 128 *Axonopus furcatus*
Orangeburg SC Aug 15, 1905

1905

Ile of Palms, S C

- 101 *Spartina*
- 102 *Panicum ashei* Pears Aug 22
like *patentifolium* but Aug 22
spikelets pubescent
- 103 *Panicum manatense* Aug 22
nodes geminate
- 104 *Panicum ~~concomitantum~~ ^{rhizomorphum}*
Aug 22
- 105 *Panicum*
note Aug 22
- 106 *Panicum sphaerocarpon* Ell
8/22
- 107 *Pan. ~~ciliiferum~~ ^{virgale} Ell* Nash
Aug 22
- 108 *Pan arenicoloides* Ashe
Ormond Fla Apr 1903
- 109 *Pan. newnanthum* Griseb
Miami Fla Mar 1903
see after 599

6

1905

Stone Mt., Ga.

201 *Paricum bicknellii* Nash
long leaf Aug 24202 *Paricum virgatum*
note Aug 24203
Aug 24204 *Eragrostis*
Aug 25205 *Agrastis perennans*
Aug 25206 *Paspalum*
Aug 25207 *Paricum sphaerocarpon*
note Aug 25216 $\frac{1}{2}$ *P. bascii* Pair
not cit Aug 25215 *Paricum scoparium* Lam.
see Miss. Coll. Aug 25

II

1905

Wilmington, N. C.
savanna301 *Paricum longiligulatum* Nash
note "with small *hastatum*
single culms" 8/28302 *Paricum pauciciliatum* Ashe
note 8/28303 *Paricum longifolium* Tan
note with set 22 8/28304 *Paricum strigatum*
note drained swamp 8/28
set 2305 *Paricum addisonii* Nash
note sand 8/29306 *Paricum arenicola* Des
note ~~with phyllanthus~~
sandy live oak woods 8/29307 *Paricum Walteri*
no number 8/29308 *Paricum*
note marked 179 N. C. by *hirsutum* 8/28308 *Paricum*
note marked 179 N. C. by *hirsutum* 8/29

8 1905
Wilmington, NC

- 309 *Eragrostis allicollis* Aug 29
310 *Panicum rhizomatium* H & C 8/29
311 *Panicum verrucosum* 8/29
note
312 *Paspalum* 8/29
313 *Elymus virginicus* 8/29
314 *Panicum longifolium* 8/29
note
315 *Panicum* 8/29
note in grass in low prairie
316 *Panicum wilmingtorens* 8/29
note in grass in low prairie

1905
Wilmington, NC 9

- 317 *Panicum setosum* Aug 29
note
318 *Panicum longifolium* Torr 8/29
note
319 *Panicum longiligulatum* Nash 8/29
note " wrightianum mixed in
320 *Panicum communis* Ashe 8/29
note said
321 *Agrostis perennans* 8/29
322 *Calamovilfa* 8/29
323 *Aristida* 8/29
324 *Panicum* 8/30
note
325 *Panicum* 8/30
note

Wilmington 1905
N.C.

326 *Panicum communis* Michx.
sand 8/30

327 *Panicum*
note 8/30

328 *Panicum ovale* Ell.
note 8/30

329 *Panicum ritidum* Lam.
N.C. 8/30

330 *Panicum ~~relacuum~~ ^{spiculare}* Desv.
N.C. 8/30

331 *Panicum ciliatum*
N.C. 8/30

332 *Panicum trifolium* Nash
in old sandy field 8/30

333 *Panicum sphaerocarpan* Muhl.
N.C. 8/30

334 *Panicum inflatum* Desv. 8/30

335 " *addisonii* Nash 8/30
sand see misc coll

1905
Norfolk - Cape Henry, Va.

401 *Panicum ~~lanceolatum~~*
note Lynnhaven 9/2

402 *Panicum addisonii* Nash
note Lynnhaven, (in the field)
dry sand 9/2

403 *Panicum oligosanthos* Schult.
note same 9/2

404 *Eragrostis ~~pectinacea~~*
same 9/2

405 *Panicum ~~spicatum~~ ^{patulum}* (B.M.)
note spikelets pubescent. 9/2

406 *Panicum ~~stolonaceum~~ ^{thrinum}* N.C.
same Lynnhaven 9/2

400's continued for
sets - following 399

1905

1905

501 *Panicum*
note sterile wooded hillside 9/10
Mt Pleasant DC

502 *Panicum firmiculum* K.C.
note Four-mile Run Va 9/13

503 *Panicum* ~~boreale~~ *ashei* Pears
sterile wooded hillside
Mt Pleasant DC Sept 10.

504 *Panicum laevigatum* Ell
note Mt Pleasant, DC 9/14

505 *Panicum* ~~tennesseense~~ *ashei*
Mt Pleasant DC 9/14

506 *Panicum laevigatum* Ell
same
branch
leaves nearly glabrous above.

507

508

509 *Panicum*
note Arlington, Va 9/15
open low ground.

Miss coll. sets

336 *Pan. ~~ooale~~ Ell.* Wilmington NC
(=217 H+C) Aug 30, 1905

217 *Pan. ~~ooale~~ Ell.* Stone Mt. Ga.
~~=301 H+C~~

337 *Pan. flavovirens* Nash
Wilmington NC
(=195 H+C) among sphagnum
Aug 18 1905

338 *Pan. chamaelauche* Trin.
Wilmington NC Aug 30
(=225 H+C) not set 1905
savanna

339 *Pan. chamaelauche* Trin.
Wilmington NC Aug 30
(=216 H+C) 1905

340 *Pan. depauperatum* Muhl
Mt Pleasant DE 5-21-05
(=7 H+C)

341 *Pan. depauperatum* Muhl
W. Cherry Chase Md
June 3 1905 (=24 H+C)
see last half book

Miss. coll.

550 *Pan. ~~ciliiferum~~ Nash*
ooale Ell.
Lake City Fla
April 16, 1906

551 *Pan. lindheimeri* Nash
Poteau, Okla. 1903

552 *Pan. lindheimeri* Nash
St Louis Mo 1904

553 *Pan. spretum* Schult
Lewes, Del June 18, 1905

554 *Pan. leucothrix* Nash
Herradura Cuba Mar 16
1906

555 *Pan. ~~terre~~ Muhl*
albamariginatum Nash
Herradura Cuba Mar 16 1906

556 *Panicum addisonii* Nash
Virginia Beach Va June 1904

557 *Panicum addisonii* Nash
Orangeburg SC Aug 18 1905

558 *Pan. onicola* H & C
Nantucket Mass July 1902

559 *Pan. leucothrix* Nash
note *Herradura* Cuba Mar 6, 1906
spikelets 1.4-1.5 mm

560 same same
note branching form

561 *Pan. sphaerocarpum* Ell
note *Leves* Del June 18, 1905

562 *Pan. sphaerocarpum*
Stillwater Okla 1903

563 *Pan. patentifolium* Nash
30
42611 Ormond Fla Mar 1903

564 *Pan. ashei* Pearson
Plummers Island June 19, 1906

565 *Pan. ashei* Pearson
Lenoir, N C Aug 2, 1905

566 *Pan. ashei* Pearson
Aiken S.C. May 9, 1901.

567 *Pan. ashei*
Stone Mt, Ga Aug 23, 1905

568 *Pan. ashei*
woods, Mt Pleasant DC
Sept 14, 1905

569 *Pan. commutatum* Schult
dry woods, Mt. Pleasant DC
June 10, 1906

570 *Pan. commutatum* Schult.
Biltmore NC Aug 10, 1905

571 *Pan. commutatum* Schult.
Biltmore, NC Aug 10, 1905

572 *Pan. commutatum* Schult
narrow leaved common
rich hammock, Lake
City, Fla April 16, 1906.

573 *Pan. mutabile* Scribn & Sm.
Wilmington N C Aug 30, 1905

574 *Pan. equilaterale* Scribn ^{candy}
30 Miami Fla Mar 1903

18
575 *Pan. equilaterale* Scribn
Orlando Fla Mar 1903
sandy woods

576 *Pan. joorii* Vasey
Miami Fla Mar 1903

577 *Pan. joorii* Vasey
Thehau, Ala 1904

578 *Pan. malacophyllum* Nash
Wister 1903

579 *Pan. oligosanthos* Schult.
30 Sumter S.C. Apr 1903

580 *Pan. oligosanthos* Schult
Aiken S.C. May 9, 1901

581 *Pan. oligosanthos* Schult
Va. Beach June 1904

582 *P. oligosanthos* Schult
Lewis Del. June 18, 1905

II
19
583 *Panicum clandestinum* L
South Manchester Conn July 1902

584 *Pan. clandestinum* L
Morgantown W. Va July 1902

585 *Pan. clandestinum* L
Stone Mt. Ga. Aug 2, 1905

586 *Pan. latifolium* L. the Gorge,
ascent of Roan. Mt. Tenn
July 25, 1905

587 *Pan. latifolium* L. shady rich
woods, opp. Plummers Del.
Fairfax Co. Va. June 19, 1906

588 *Pan. latifolium* L
Biltmore NC Aug 6-10, 1905

589 *Pan. latifolium* L
on rocks, Linville NC
July 30, 1905

590 *Pan. hassic* Pair
Plummers Del. Md
June 19, 1905

- 591 *Pan boscii* Pan
Biltmore N.C. Aug 6-10. 1905
- 592 *Pan boscii malle* (Vas) H & C
Newark Del. 11/2/00
- 593 *Pan scoparium* Lam
Virginia Beach Va Aug 1902
- 594 *Pan scoparium* Lam
Mobile Ala Aug 7. 1904
- 595 *Pan scabriusculum* Ell
Wilmington N.C. Aug 1901
- 596 *Pan. microcarpum* Muhl
woods, Piney Branch, Mt
Pleasant, D.C. June 26. 1904
- 597 *Pan linearifolium* Scribn
Plummer's Island, Md
June 19. 1906.
- 598 *Panicum linearifolium*
verruca
Burlington, Vt Aug 1902
- 599 *Pan buachnace silvicola* H & C
St. Louis Mo 1904

Key West 1906 begins
at 600

22

- 110 *Pan xalapense* HBK
Lake Charles La. 1903
- 111 *Pan laxiflorum* Lam
Ormond Fla Mar 1903
sandy woods
- 112 *Pan polycaulon* Nash
Miami Fla Mar 1903
- 113 *Pan angustifolium* Ell
note Chehaw Ala 1904
- 114³⁰ *Pan fusiforme* Hitchc
H-C 428 Ormond Fla Apr 1903
- 115 *Pan polycaulon* Nash
Herradura Cuba Mar 16, 1906
- 116 *Pan chrysopsidifolium* Nash
Herradura, Cuba Mar 16, 1906
- 117 *Pan fusiforme* Hitchc
Herradura Cuba Mar 16, 1906

118 *Pan bicknellii* Nash
Plummers Isl. Md
June 19, 1906

119 *Pan nitidum* Ham
Va. Beach Va Aug 1902

120 *Pan. boreale* Nash
Jaffrey, N.H.

121 *Pan boreale* Nash
White Mts, N.H. July 1902

122 *Pan dichotomum* L
DC 1906

123 *Pan barbulatum* Mx
Mt Pleasant DC 1906

124 *Pan barbulatum* Mx
~~Fairfax Co~~
Burlington Va 1902

125 *Pan barbulatum* Mx
Mt Pleasant DC 10/7/02

126 *Pan albertmarlense* Ashe
Piney branch road
Mt Pleasant DC June 16, 1906

127 *Pan implicatum* Scribn
Jaffrey N.H. July 1902

128 *Panicum sloanei*
San Antonio Cuba Dec. 18, 06

129 *Pan agrostoides* Spreng
South Manchester Conn July 1902

130 *Pan implicatum* Scribn
White Mts, N.H. July 1902

131 *Pan. Grisebachii*
San Antonio Aug 20 1906

132 *Pan implicatum* Scribn
Burlington Vt. Aug 1902

133 *Pan trachucae*
Burlington Vt Aug 1902

- 134 *Pan. tsugatorum* Nash
South Manchester Conn 1902
- 135 *Pan. tsugatorum* Nash
Harpers Ferry W. Va 1905
- 136 *Pan. huachucae silvicola* H & C
Fairmont W Va July 1902
- 137 *Pan. huachucae silvicola* H & C
Morgantown W. Va July 1902
- 138 *Pan. tennesseense* Ashe
Md. 1906
- 139 *Pan. tennesseense* Ashe
Arlington, Va Fairfax Co 1906

Cuba

- 140 *Pan. acuminatum* Sw
(*comophyllum*)
Herradura Cuba 1906
- 141 *Pan. utowanum* Scudder
Triscornia Mar 23, 1906 Cuba
- 142 *Pan. geminatum*
Batabanó, Cuba Mar 15-20. 1906
- 143 *Pan. geminatum*
swamp west of Santiago de
las Vegas. Mar 15-20, 1906
- 144 *Pan. distantiflorum* Rich
Playa de Cajimar Cuba
Mar 15-20 1906
- 145 *Pan. reptans* L
San Antonio Cuba Mar 19.
- 146 *Pan. reptans* L
weed in Botanical garden
Havana Cuba Mar 26

147 *Panicum adspersum* Trin
note Santiago de las Vegas Mar 18-20, 1906

148 *Panicum adspersum* Trin
note weed in lawn & garden, Exp. Sta.
same Mar 18

149 *Pan dichotomiflorum* Mx
note Batabano Cuba Mar 15-20, 1906

150 *Pan dichotomiflorum* Mx
Batabano, Mar 15-20, 1906

151 *Pan dichotomiflorum* Mx
Santiago de las Vegas

152 *Pan elephantipes* Nees
San Antonio Mar 19, 1906

153 *Pan virgatum cubense* Griseb
Batabano Mar 15-20 1906

154 *Pan tenerum* Beyr.
Herradura Mar 16, 1906

sterodes

155 *Pan caricoides* Nees
Herradura Mar 16, 1906

157 *Panicum maximum* Jacq.
Santiago de las Vegas Mar 15-20 1906

156 *Pan maximum* Jacq.
Herradura Mar 16, 1906

158 *Pan. divaricatum*
Vincennes Mar 23, 1906

159 *Panicum adspersum* Trin
note Tricornia, Cuba Mar 23, 1906

160 *Pan. ovale* Ell
Ormond Fla April 1903

161 *Panicum villosissimum* Nash
Lewes Del 1905

- 162 ~~*Panicum firmiculum* V. & C.~~
~~Sarita, Tex. Aug 7. 1904~~
- 162 *Pan fasciculatum* chartagin-
 enae (Sw) Doell. San Antonio
 Tex 1903
- 163 *Pan texanum* Buckl
 Corpus Christi Tex Aug 7 1904
- 164 *Pan verrucosum* Muhl
 Virginia Beach Va Aug 1902
- 165 *Pan philadelphicum* Bernh
 Bluff City Tenn. July 22, 1905
- 166 *Pan philadelphicum* Bernh
 4-Mile Run Va 9/04.
- 167 *Pan gattingeri* Nash
 DC Sept. 1904

- 168 *Pan amarulum* Ell & C
 Virginia Beach Va
 Aug 1902
- 169 *Pan amarulum* Ell
~~*amarulum* Ell~~
 Virginia Beach Va.
 Aug 1902
- 170 *Pan virgatum* L
 Newport R.I. July 1902
- 171 *Pan virgatum* L
 Virginia Beach Va Aug 1902
- 172 *Pan condensum* Nash
 Miami Fla Mar 1903
- 173 *Pan stipitatum* Nash
 note Isle of Palms SC Aug 27
 1905

174 Pan. {condensum Nash
agrostoides
Virginia Beach Va Aug 1902

175 Pan. rhizomatum H. & L
Lynx Haven Sept 2 1905

176 Pan. rugellii
San Antonio Cuba 3/20/06

177 Pan. laxum Sw
Herradura Cuba 3/16/06

178 Pan. luteum Sw
Santiago de L. Vega 3/15/06

179 Pan. squiflorum
Herradura, Mar. 16, 1906

180 Pan. ~~nillegrana~~ Poir
Sellovi
Herradura Cuba 3/16/06

181 Pan. parvifolium
Herradura 3/16/06.

182 Pan. villosissimum!
Orangeburg SC Aug 19/05
not typical

183 Pan. wrightianum Scribn
Orangeburg SC Aug 19/05
note

184 Pan. trifolium Nash
note Orangeburg SC Aug 19/05

185 Pan. tenerum
note low pine woods
Wilmington NC
8/30/05

34
186 *Chloris paraguayensis* Steud
Miami Fla
8-1903

186 ~~*Panicum chamacense* Trin~~
~~Sunditchalong Ry~~
~~Wilmington NC 8/30/05~~

187 *Panicum squilaterale* Scribn
note Miami Mar 1903
sandy woods

188 *Valota insularis* (L) Chase
glades Miami Fla
Mar 1903

189 *Panicum xalapense* HBK
note sandy pine woods
Sumter, SC Apr 1903

190 *Panicum dichotomiflorum* Max
note Miami Fla Mar 1903

191 *Panicum albomarginatum* Nash
note flatwoods Miami
Mar 1903 Fla

192 *Panicum laucearium* Trin
note pine woods Ormond
April 1903 Fla

193 *Sporobolus indicus*
coral rock, Miami Mar 1903

II
35
194 *Lasiacis divaricata*
hammock border, Miami
Mar 1903 Fla

195 *Panicum aciculare* Desv
note ^{setaceum} Orangeburg 8-15-05.

196 *Panicum*
note Orangeburg SC Aug 15 05

197 *Panicum laucearium* app.
note ~~patulum~~ sandy pine woods
Wilmington NC 8-30-05

198 *Panicum sanguinum* Kth
note low pine woods, Va Beach
6-27-05 Va

199 *Missetum arbense* Chase
Herradura Cuba Mar 16 1906

see Stone Mt

216 *Pan. verrucosum*
Stone Mt Ga Aug 1905

217 *Pan. dichotomiflorum* Mx
Va Beach Va Aug 1902

218 *Pan. capillarioides* Vasey
Corpus Christi to Brownsville, Tex Aug 7, 1904.

219 *Pan. hallii* Vasey
San Antonio Tex 1903

220 *Pan. filipes* Scribn
Brownsville Tex
Aug 7, 1904

221 *Pan. hallii* Vasey
~~*Pan. filipes* Scribn~~
Corpus Christi to Brownsville
Tex Aug 7, 1904

222 *Pan. boscii* Poir
Stone Mt Ga Aug 1905

223 *Pan. bartouense*
not cit low ground Miami Fla
Mar 1903 Biscayne Bay

224 *Paspalum virulare*
Wilmington NC Aug 30, 1905

225 *Pan. stipitatum* Nash
unusually loosely flowered,
Isle of Palms S.C. Aug 22, 1905

226 *Pan. virgatum* L
Isle of Palms S.C. Aug 22, 1905

227 *Pan. amarum* Ell
~~*Pan. amaroides* Scribn~~
Leaves del Nov 2, 1903

228 *Panicum anceps* Mx
Virginia Beach Va Aug 1902

229 *Pan. anceps* Mx
Bristol Tenn July 20, 1905

230 *Panicum anceps* Nutt
Stone Mt Ga Aug 1905

Cuba - 1866

231 *Aristida aciculata*

232 *Aristida cuneata*

233 " "

234 *Sporobolus angustatus*

235 " *argutus*

236 " "

237 *S. culensis*

238 *Chloris petraea*

239 " *cruciat*

240 " "

241 " *clausenoides*

242 " "

243 " "

244 " *ciliata*

245 " "

246 " *paragynensis*

247 " "

248 " "

249 " *nigra*

250 *Leptochloa filiformis*

251 " *fascicularis*

262 *Leptochloa nigra*

263 " "

264 *Pappophorum slovicornale*

265 *Eragrostis annulata*

266 " *ciliata*

267 " *leptostachya*

268 " "

269 " "

270 " *elliottii*

271 " *bahamensis*

272 *Distichlis spicata*

273 *Eragrostis* - Paula Ressa, Fla, 1900.

274 *Styria Linhartii* *pauciflora*

275 " "

276 " *spicata* [Saville, Texas 1904]

277 *Copypia stolonifera*

278 " "

279 " "

280 " "

281 " "

282 " "

283 " "

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Pasp. dilatatum, Shreveport
La
1903

300

Pasp. setaceum

Sandy pine woods

Orangeburg, S.C. Aug 15, 1905

299

Casipalm pubescens

Baltimore NC Aug 1905

298

Pasp. pubescens

Stone Mt Ga Aug 1905

II

42

43





24

45

Hsc sets of 30

342 *Pan ciliatum* Ell
 not 30 Orangeburg S.C. Aug 19, 1905
 (= 154 Hsc)

343 *Pan xalapense* HBK
 beyond N.W. District line Md
 Sept 16, 1905 (= 28 Hsc)

344 *Pan aciculare* Desv.
 Wilmington NC
 Aug 28, 1905. (= 193 Hsc)

345 *Pan aciculare* Desv.
 Lynnhaven Va 9-2-05
 (= 230 Hsc)

346 *Pan aciculare* Desv.
 not 30 Orangeburg S.C. 8-15-1905
 (= 124 Hsc)

347 *Pan aciculare* Desv.
 Va Beach Va 6-27-1905
 (= 80 Hsc)

348 *Pan. angustifolium* Ell
Lynn Haven Va 9-2-05
(= 142 Hrc)

349 *Pan angustifolium* Ell
Orangeburg Sc 8-18-1905
(= 149 Hrc)

350 *Pan arenicoloides* Ashe
Wilmington NC 8-28-05
(196 Hrc)

351 *Pan arenicoloides* Ashe
Isle of Palms Sc. 8-22-1905
(= 171 Hrc)

352 *Pan arenicoloides* Ashe
Orangeburg Sc 8-18-05
(= 148 Hrc)

353 *Pan becknellii* Nash
Mt Pleasant Sc 9-14-05
(= 272 Hrc)
see extra pkg

354 *Pan ~~solitarius~~ mattanahutense* Ashe!
among grass in slough,
strictly erect, Wilmington
NC Aug 28, 1905
(= 199 Hrc + 299 Hrc)

355 *Pan lindheimeri* Nash
moist ground, wood
border, W. Cherry Chase
Md
6-3-1905

356 *Pan caeruleus* Nash
Lynn Haven Va 9-2-05
(= 226 Hrc)

357 *Pan dichotomum* L
Mt Pleasant Sc 9-10-05
(= 259 Hrc)

358 *Pan dichotomum* L
4-mile Run Va 6-1-05
(= 18 Hrc)

50
359 *Pan barbulatorum* Mx
Stone Mt Ga 8-23-1905
(183 H+e)

360 *Pan barbulatorum* Mx
Orangeburg SC 8-19-1905
(309 H+e)

361 *Pan yadkinense* Ashe
W. Cherry Chase Md 6-11-05
(34 H+e)

362 *Pan lucidum* Ashe
Baltimore NC Aug 1905
(172 H+e)

363 *Pan lucidum* Ashe
Orangeburg SC
8-18-1905 (= 143 H+e)
card missing

364 *Pan lucidum* Ashe
not 30 Lynn Haven Va (= 306 H+e)
low wet sandy meadow

II
51
365 *Pan lucidum* Ashe
not 30 Wilmington NC 8-28-05
(197 H+e)

366 *Pan lucidum* Ashe
Orangeburg SC 8-19-05
(308 H+e)

367 *Pan lucidum* Ashe
Wilmington NC 8-30-05
(244 H+e)

368 *Pan leucidum* Ashe
Wilmington NC
Aug 30, 1905. (248 H+e)

369 *Pan lucidum* Ashe
not 30 Wilmington NC Aug 28, 1905
(205 H+e)

370 *Pan microcarpon* Muhl
Bennings DC 6-10-05
(= 31 H+e)

371 *Pan cryptanthum* Ashe
 not 30 ^{not *Gavazina*}
 Wilmington NC Aug 28, 05
 (199 Hrc)
 299 " " Hrc

372 *Pan longiligulatum* Nash
 not 30
 Wilmington NC 8-28-05
 (= 209 Hrc) Mixture

373 *Pan wrightianum* Scrub
 not 30
 mixed with 372.

374 *Pan. wrightianum* Scrub
 Wilmington NC Aug 30, 1905
 (= 225 Hrc)

375 *Pan longiligulatum* Nash
 Stone Mt Ga 8-25-05
 (= 300 Hrc)

376 *Pan leucothrix* Nash
 Orangeburg SC 8-19-05
 (= 152 Hrc)

377 *Pan leucothrix* Nash
 Wilmington NC Aug 30, 1909
 (= 246 Hrc)

378 *Pan spretum* Schult
 Lynnhaven Va 9-2-05
 (= 228 Hrc)

379 *Pan spretum* Schult
 Lynnhaven Va 9-2-05
 (= 233 Hrc)

380 *Pan lindheimeri* Nash
 Beemingsville 6-10-05
 (= 29 Hrc)

381 *Pan lindheimeri* Nash
 Stone Mt Ga 8-23-05
 (= 182 Hrc)

382 *Pan huachucae silvicola* Hrc
 not c 4-mile Run Va 6-1-05
 (19 Hrc)

383 *Pan huach. silvicola* Hrc
 not c 4-mile Run 9-13-05
 (= 268 Hrc)

54
384 *Pan meridionalis* Ashe
Deerwood DC 9-9-05
(=256 Hrc)

385 *Pan meridionalis* Ashe
Stone Mt Ga 8-23-05
(186 Hrc)

386 *Pan languinosum* Ell
Isle of Palms SC 8-22-05
(=167 Hrc)

387 *Pan languinosum* Ell
Lewis Del 6-18-05 as 14
(54 Hrc) not set 30.

388 *Pan languinosum* Ell
not c Wilmington NC 8-28-05
(203 Hrc)

389 *Pan languinosum* Ell
8-18-05 Orangeburg SC
(=137 Hrc)

II
55
390 *Pan languinosum* Ell
not 30 Orangeburg SC 8-19-05
(=155 Hrc)

391 *Pan villosissimum* Nash
4 mile Run Va 6-1-05
(20 Hrc)

392 *Pan villosissimum* Nash
not 30 Orangeburg SC 8-15-05
(147 Hrc)

393 *Pan villosissimum* Nash
Mt Pleasant DC 9-14-05
(274 Hrc)

394 *Pan villosissimum* Nash
Wilmington NC 8-30-05
(=224 Hrc)

395 *Pan villosissimum* Nash
Leopair NC Aug 4 1905
(=109 Hrc)

56
396 *Pan villosissimum* Nash
Stone Mt Ga 8-23-05
396 (179 H.C.)

397 *Pan pseudopubescens* Nash
Stone Mt Ga Aug 23 1905
(301 H.C.)

398 *Pan pseudopubescens* Nash
Orangeburg SC 8-19-05
(153 H.C.)

399 *Pan addisani* Nash
Wilmington NC Aug 30, 1905
(222 H.C.)

400 *Pasp. distichum*
(H.C. 204) Wilmington
Aug 28, 1905

II
57
407 *Pan communianum* Ashe
Lynn Haven Va 9-2-05
(231 H.C.)

408 *Pan communianum* Ashe
Lewes Del 6-18-05
(48 H.C.)

409 *Pan oricola* H.C.
Lewes Del 6-18-05
(47 H.C.) so published must remain

410 *Pan polyanthes* Schult
Norfolk Va 6-28-05
(84 H.C.)

411 *Pan erectifolium* Nash
Wilmington NC 8-30-05
(219 H.C.) not set 30

412 *Pan flavovirens* Nash
Wilmington NC 8-28-05
(195 H.C.) flatwoods
same as 337 ASH

58
~~Flavescens~~
413 *Pan (patulum) (S.M.) Helche*
Isle of Palms S.C. 8-22-1905
(176 Hrc) 413 is cited as *patulum*!

414 *Pan pauciciliatum Ashe*
Wilmington NC Aug 30, 1905
(221 Hrc) Mixture
414 is cited *pauciciliatum*

415

put 414 together for
415 set of 30
416 *Pan pauciciliatum Ashe*
not 30 Wilmington NC 8-28-05
(207 Hrc)

417 *Pan oligosanthus Schult*
Stone Mt Ga 8-25-1905
(192 Hrc)

418 *Pan oligosanthus Schult*
Wilmington NC 8-28-05
(211 Hrc)

II
59
419 *Pan oligosanthus Schult*
Leaves Del 6-18-05
(43 Hrc)

420 *Pan ravenelii S.M.*
Wilmington NC 8-29-05
(214 Hrc)

421 *Pan equilaterale Schult*
Isle of Palms SC 8-22-05
(166 Hrc)

422 *Pan ashei Pearson*
Mt Pleasant SC 6-4-05
(27 Hrc)

423 *Pan ashei Pearson*
Stone Mt Ga Aug 23, 1905
(181 Hrc)

424 *Pan ashei Pearson*
Wilmington NC 8-29-05
(215 Hrc)

60
425 *Pan ashei* Pears
Mt Pleasant SC 9-10-05
(261 Hrc)

426 *Pan commutatum* Schult
Mt Pleasant SC 9-14-05
(273 Hrc)

427 *Pan commutatum*
Stone Mt Ga Aug 23 1905
(184 Hrc)

428 *Pan commutatum* Schult
Lenoir NC 8-20-05
(108 Hrc)

429 *Pan mutabile* S & S
Cape Henry Va 9-2-05
(229 Hrc)

430 *Pan mutabile* S & S
Stone Mt Ga 8-23-05
(298 Hrc)

II
61
431 *Pan clandestinum* L
Mt Pleasant SC 6-4-05
(26 Hrc)

432 *Pan clandestinum* L
W. Cherry Chase Md 9-24-05
(289 Hrc)

433 *Pan latipalpeum* L
Grandfather Mt NC 7-30-05
(106 Hrc)

434 *Pan bosci* moll (Vas) Helcke
4-mile Run Va 8-1-05
(21 Hrc)

435 *Pan bosci* moll (Vas) Helcke
Mt Pleasant SC 5-21-05
(6 Hrc)

436 *Pan bosci* moll (Vas) Helcke
4-mile Run Va 9-13-05
(269 Hrc)

62
437 *Pan scoparium* Lam
Orangeburg SC 8-18-1905
(138 H.C.)

438 *Pan scaberrimum* Ell
Orangeburg SC 8-19-1905
(156 H.C.)
(156 H.C.)

439 *Pan. philadelphicum* Bernh
Stone Mt Ga Aug 23, 1905
(= 185 H.C.)

440 *Pan amarulum* Ell N.C.
In sand Lynnhaven Va
Sept 2, 1905
(= 234 H.C.)

441 *Pan amarulum* Ell
amarulum Ell
Wilmington NC Aug 28, 1905
(= 208 H.C.)

442 *Pan virgatum* L
Chesapeake Beach Md
Oct 1, 1905
(= 294 H.C.)

II
63
443 *Pan virgatum cubense* Griseb
not c Orangeburg S.C. Aug 19, 1905
(= 157 H.C.)

444 *Pan condensum* Nash
Wilmington N.C. Aug 30, 1905
(= 243 H.C.)

445 *Pan agrostoides* Spreng
Orangeburg SC Aug 15, 1905
(= 127 H.C.)

446 *Pan longifolium* Torr
Cape Henry, Va. June 27, 1905
(= 82 H.C.)

447 *Panicum longifolium* Torr
Wilmington NC Aug 30, 1905
(= 223 H.C.)

448 *Pan anceps* Mx
Orangeburg SC Aug 18, 1905
(= 146 H.C.)

449 *Pan anceps* Mx
not set Orangeburg SC Aug 16, 1905
(= 136 H+C)

450 *Pan rhizomatum* H+C
Orangeburg SC Aug 16, 1905
(= 136 H+C)

451 *Pan. hians* Ell
Orangeburg SC Aug 15, 1905
(= 125 H+C)

452 *Bouteloua "juncifolia"*
Tussockia Cuba 3/23/06

453 *Paspalum dictichum* L.
Batabano, in 1906

454 *Paspalum notatum*
Herradura in 1906

455 *Paspalum pumilum* " "
Herradura

456 *Paspalum plicatulum*

457 *Paspalum plicatulum*

458 *Paspalum calcarium*

459 *Paspalum calcarium*

460 *Bouteloua "juncifolia"*
Playa de Cojimar Cuba
Mar 15-20

461 *Paspalum calcarium*

462 *Paspalum caudatum*

463 *Paspalum linderianum*

464 *Paspalum caespitosum*

465 "

466 "

467 "

Cuba

- 468 *Paspalum virgatum*
 469 *Paspalum pulchellum*
 470 " *simpsoni*
 471 " *debile*
 472 " *multicaule*
 473 " *conjugatum*
 474 " "
 475 *Pasp. vakari*
 476 *Coel. loricata*
 477 *Pasp. schreberianum*
 478 " "
 479 *Androp. malacostachys*
 480 *Andr. bicornis*
 481 *Andr. grassianum*
 482 *Leptocarpum lanatum*
 483 *Syntherisma nelsoni*
 484 " "
 485 *Mesochloa lotiformis*
 486 *Axonopus magnifolius*
 487 *Pyruroides amphicaulis*
 488 *Eplimnium hirtellus*

- 489 *Eplimnium hirtellus*
 490 *Edinanthus colomus*
 491 *Chaetochloa antillalis*
 492 *Cudown carolinensis*
 493 *C. carolinensis*
 494 *Hemalocaulis hymenodes*
 495 *Peruandria filiformis*
 496 *Aristida glauca*
 497 " "
 498 *Aristida curtifolia*
 499 *Aristida rufescens*
 500 *Aristida curtifolia*

Don't go beyond 500

Grasses

Keep West Hand 27

600 *Panicum leucophaeum* (Trickel)
 - in inflorescence, growing in bunches
 in a wide, vacant lot etc.
 2-4 ft high.

601 *Panicum fasciculatum*, a
 common weed in fields, in open
 ground spreading but in most
 high ground more erect & as much
 as 3 ft high.

602 *Eriopogon plumosa*, in open
 grassy places, partial & generally
 in low flowering culms. This may
 be common but appears very often.

603 *Panicum sanguinalis*, a weed
 in open ground. This species, as
 in a good piece of grass
 land.

604 *Cenchrus echinatus*
 Open grassy land.

605 This = 602? in low grassy
 place with Distichlis but especially on
 tracks

606 *Sporobolus domingensis*
in clumps in open grassy places
common.

607 *Paspalum (caespitosum?)* in clump
in open ground - many heads - erect

608 *Eriopogon*
in bunches among bushes in the
scrub

609 *Leptochloa dubia* in clumps
among rocks and bushes in
scrub. Most of it was passed
its season with the spikes fallen

610 *Chaetochloa subulata*
in clumps among a old
field - prostrate at base

611 *Panicum* sp. ? is the same
as 610? a weed in old
field

612 *Cenchrus tribuloides*
in common weed

613 *Panicum polyanthes*
in large clumps in moist
spots or depression in a
old field near the ocean

Sometimes forming a thick
growth.

614 *Quercus* *doctus* *la*
growing in open ground.

615 *Chloris* *peruviana* in bunches in
sand along bank.

616 *Humulobolus* *littoralis*
low place along bank.

617 *Sporobolus* *lanceolatus* in
small form in trampled ground.

618 Some more *Panicum* *serotinum*.

619 *Dactyloctenium* *aegyptium* in shade
of bushes in scrub.

620 *Panicum* *peruviana* in shade
of bushes in scrub.

621 *Eleusine* *indica* in shade
of bushes in scrub.

622 *Eragrostis* *altissima*
very open place.

623 *Humulobolus* *littoralis*
in flower's abundant
on wet flats.

624 Steu & of her name

✓ sent her name down
after receiving the last entry

625 Cyrtolus maculatus, small

✓ after flies a horn in barrel
had new sea - very distinct
from Dactylus

II

Stop at 499

An open notebook with two blank, cream-colored pages. The pages are ruled with faint red lines, forming a grid pattern. The notebook has rounded corners and a visible binding in the center. The left page shows the edges of several other pages underneath it. The right page has a small dark speck near the top right corner.

II

Notes on Grasses collected
 S. Spring 1924

Grasses from Cuba not included
 Grasses from Key West - 600-625 see
 Serial red note book

Miami Mar 25

620 *Paspalum*? a small old plant. Sandy clump
 621 *Paspalum* 635. Some long narrow leaves.
 Clumps long & slender different from 637.

622 *Pan. fusiforme* Hitchc. Sandy pine woods
 4 spec. 623 *Pan. virgatum* L. Sandy pine woods

624 *Pan.* - Keys to Lake level. Sandy pine woods. Culms in long flat clumps very
 625 *Pan.* - Much irregular. Sandy pine woods

626 *Pan. webberianum* Nash. Sandy pine woods. Culms
 627 *Pan. blattarioides* a small sandy field.
 628 *Pan. blattarioides* a small sandy field.

629 *Pan. blattarioides* a small sandy field.
 630 *Pan. blattarioides* a small sandy field.

631 *Pan. blattarioides* a small sandy field.
 632 *Pan. blattarioides* a small sandy field.

633 *Pan. blattarioides* a small sandy field.
 634 *Pan. blattarioides* a small sandy field.

635 *Pan. blattarioides* a small sandy field.
 636 *Pan. blattarioides* a small sandy field.

637 *Pan. blattarioides* a small sandy field.
 638 *Pan. blattarioides* a small sandy field.

636 Pan. ^{foorii} ~~translucens~~ ^{Nas} Hammock woods
decumbent & sprawling at base. Spikes
yellowish.

637 Pasp. ~~Simpsoni~~ or near it. Culms 1-2 ft.
leaves short & broad. Very leafy or branched.
Hammock woods, rather small clumps.

638 Pan. ~~Cuscuta~~ ^{gallii}. Tall & strictly
erect. In a low place near the
river, along with *Tripsacum dactyloides*.

639 Pan. ~~albomarginatum~~ ^{Nas} Sandy
pine woods. Tufts conspicuous,
leafy at base. Culms erect & sparse.
Leaves green & color, glossy looking
from the hard smooth leaves.

640 And. ~~Semibambusa~~. Sandy pine woods.
Culms 1-3 ft. & a branch. Pull up very
easily like an umbel, but seem to
be perennating by the thick culms at
base. Culms tall & slender, erect
or nodding at apex from weight
of panicle. Some spikes are glaucous.

641 Sporob. ~~indicus~~. Common along
road sides. Acts like an introduced
plant.

642 Sporob. ~~pinus~~. Sandy pine woods.

643 Pasp. ~~rigidifolium~~. Sandy pine woods.
Culms somewhat spreading. Tufts large
& loose. Leaves erect and some-
what rigid.

644 ~~Eleusine indica~~. Common weed
along roadsides.

645 ~~Chaetochloa~~. Sandy pine
woods. Affine to *Chaetochloa*. Large
tufts. Sheaths green rough to the touch.
Spikes short & bristly. Some plants
have green spikes & rather simple.
Resistant to *C. coriugola* but does not
answer description in all respects. May
be var. *parviflora* Schum.

646 *Tripsacum dactyloides*. Moist place
near river.

647 *Eriochloa glauca*. Near grass
in river. It is affine to a little
the smaller specimen from *Eriochloa*.

648 Pan. ~~Barboreum~~ ^{Nas} Low woods
near river.

649 ~~Tragus plumosus~~. A weed in
sandy soil.

650 Pasp. ~~serotinum~~. In field of *Salix*
planted from native cuttings.

Mar 30

- 651 *Chaetochloa unguis*. Along
Sea front at Station. Perennial.
- 652 *Pan. juncifolia* Vase. Barren rock mound
331. showing the bell spray culms
& old fall culms. *Pan. paniculata* overtopped
by upper leaf. Culms decumbent at base.
- 653 *Pan. equilateralis* ^{Scrub} *Panicum* lathy.
from 633. Barren rock mound, shows
the fall form, with chlores of secondary
growth.
- 654 *Pan. patulum* ^{(from) Hitchc} Barren rock mound
near 652 & 653. Seems to be soft &
glucous green. *Hitchc*
- 655 *Pan. equilateralis* ^{Scrub} *Panicum* lathy.
near the single fall culm at back of
barren rock mound. Looks a bit different
from 653. Does not culm at base.
- 656 *Aelurop. secundatus* in leaves. seems dif-
ferent from 640. Cut off barren rock
along Ry.
- 657 *Pan. puriflorum* & *patentifolium* ^{Webb}
are closely interwoven but I was
unable to separate them.
- 658 *Pan. bartramianum* ^{1. M.} along Ry
sandy soil.

- 659 *Pan. californicum* ^{AKR} ~~along Ry~~ on coral rock
along Ry.
- 660 *Pan. juncifolia* Vase ^{along Ry} exposed to sun. Culms
puppet leaves, chlores & culms
short.
- 661 *Pan. ciliatibracteum* ^{ovale Ell} tall culms
- 662 *Cenchrus ciliaris* ^{Guadalupe} Sandy woods
- 663 *C. ciliaris* ^{delto.}
- 664 *Pan. paniculatum* ^{Scrub} Sandy woods
culms spreading at base, or after
prostrate but always loosely tufted
usually purplish.
- 665 *Pan. polychaetum* ^{Wach} Sandy woods
- 666 *Pan. aboriginum* ^{Wach} Sandy woods
seems more delicate than 639
& white margins not so prominent
on young more specimens I think it is
the same as 639.
- 667 *Pan. aboriginum* ^{Wach} ^{abundant} branched at base. The spring
culms had been cut or eaten off.
- 668 *Pan. ciliatibracteum* ^{ovale Ell} Sandy woods. Some
large culms.

- 669 Androp. ellipt. Sandy flat
Old flower stalks still attached
- 670 Pan. albo-marginatum ^{Wack} full culms
Sandy flat woods
- 671 Sm. lupin Hammock
- 672 Oplismenus setosus Hammock woods
The large leaves & small leaves
green & belong to the same species
Large leaves on the flowering culms
- 673 Pan. Xalapence ^{Wack} Hammock woods
- 674 Pan. spicatus ^{Wack} " "
- 675 Phragmites Phragmites a sandy
swamp in hammock. No water
now. Old panicles persistent -
- 676 Pan. ovale ^{Ell} with autumn glaucous
- 677 Pan. lanceolatum ^{Trin} pool bank
with fall stalk
- 678 Pan. albomarginatum ^{Wack}
- 679 Androp. Good sized clumps
on coral rock along R.
- 680 Sporob. repens - Overrun low
ipsec when growing in favorable
weather

- 82 Andropogon gracilis? Covenant Green
 Coral rock. The spec with vertical
 rhizome growing in a hole in the rock
 83 Euphorbia Covenant Green.
 Sand along Ry.
 84 Paspalum conjugatum? Sand along
 Ry. near C. G.
 85 Andropogon gracilis? Abundant in an
 locality, wet along Ry.
 Homestead April 2
 86 Tripsac. floridana on the Coral
 rock in which it differs from
 the described. which grows in more
 places.
 87 Paspalum nitidum Lam. Around
 edge of swamp place in Coral
 Reef. No record among sea palms.
 Usually dead but Spring & fall.
 Spring culms very tall slender (3 ft)
 leaves reflexed as a nitidum
 A very distinct species.
 88 Paspalum seems to be in the same. In wet
 88 1/2 ovale Ell along Ry.
 89 Paspalum - the small one. ditto
 89 1/2 Paspalum polycaulon Mack

690 Pan. caeruleus ^{Hack} along Ry. track

691 Pan. ciliifolium - ditto note

692 Pan. albomarginatum ^{Hack} not in exam.

693 P. ovine ditto note

694 Pan. angustifolia not in ditto

April 3 - Miami
695 Pasp. condensum ^{Hack} muchy land near Miami. Inflorescence nearly black

696 Pan. ~~beccatum~~ ^{Schult} along bank of ditch near Pontilera

697 Pan. bartoniana ^{form} ditto, nearly smooth kept lower sheaths

698 Pan. erus galli in prairie same as 638 but not so tall. This is the commoner form

699 Pan. ~~condensum~~ ^{Hack} but also at maturity in brandes spruce grove

700 Spartina. Glade in tall grass

701 Eriostachys. Low pine woods

702 Eriostachys. 20 ft. tall in open

701? Growing near d. 100 ft. more spikes & more slender spikes

703 Eriostachys. Glade, in bunches

704 Symplocaria villosa Glade

705 Pan. ^{neuraanthum} ~~angustifolia~~ ^{Gmel} could find only 1 one specimen (3 or 4 under this one)

706 Pan. ^{caeruleus} ~~angustifolia~~ ^{Hack} in glade among Spartina & shooting up through the tall grass. Leaves flat (flat) appressed erect, purplish beneath.

707 Aristida scabra Glade

708 Pasp. in low ground edge of glade

709 Chaetochloa - Erect, in clump in bunch, perennials, not decumbent & conspicuously flattened like ordinary C. umbellata

710 Pasp. ^{neuraanthum} ~~angustifolia~~ ^{Gmel} Panicles like mitula not reflexed below, young panicles very narrow.

711 Pan. ^{polycarpa} ~~angustifolia~~ ^{Hack} among sand palms

712 Pan. ^{trifolium} ~~angustifolia~~ ^{Hack} among sand palms

713 Pan. ^{lanceolata} ~~angustifolia~~ ^{Trin}

714 " albomarginatum ^{Hack}

715 " caeruleus not wilted

716 Pan. erus galli in ditch - purple

April 4

717 *Condropsa*, In old gull & woods.

718 *Pan. nitidum* Lam. *subarbutatum*, glaucous along with 708. I think this is the same as 687 but shows full state.

719 *Pan. ovale* Ell. *californicum* but I think is different. Coral spine not coming out flower. Lvs. above, silky appressed below. rare.

720 *Pan. albomarginatum* Nash *californicum* by much smaller same as *albomarginatum* etc.

721 *Pan. polycaulon* Nash (spring culm). The spring culms are always prostrate spreading as in the whole bunch forming a bushy mat. *Palmettos*.

722 *Cnidium tribulatis* coral panicle

724 *Pan. ovale* Ell. More specimens showing branches. State. Lower panicles of panicle with descending branches, not stiff ascending is - *californicum*

705 More specimens. Panicle always narrow branches appressed - never spreading so far as I saw.

700 Another specimen, in rock near river. Lvs. spec. from a rock in culm.

723 *Pan. divaricatum*, Hammock, common but not in flower now. *Chloris* Vaseut found a lot.

725 *Tripsacum* probably *distyloides* common in rocky soil near river. Almost all the single spikes.

726 This may be the same as 725 but looked much like *T. floridanum* same locality.

727 *Chromolaena* Rusty grass near river same locality as above.

728 *Pan. virgatum* L. moist land near river - open ground, common here but not in flower, much panicle the panicle are small & narrow. In moist soil large & spreading.

735 *P. webberianum* Nash 730? Note
broad leaves, pubescent stem, lilioid
mass of shrubs & on one spec. lilioid
lower leaves. Same loc. as 734,

736 *Andropogon* — Low sandy pine
woods among palmetstos. Same same
growing in the shallow grassy meadow
pond, old pinches.

737 *Panicum paniculatum* ^{Ashe} Growing
along margin of pond among palmetstos
or even out into the water among the
reeds & rushes. Small clumps of
one to 2 or 3 in a bunch. Thought
it was different when I saw it but
it's identical with the same as 733

738 *Chloris puberula* along Bay in sand
affix to an introduced as I do not find
it in the woods.

739 *Cenchrus ciliaris*. ditto

740 *Chloris puberula* ditto

741 *Syntherisma sanguinalis* ditto
forms mats of creeping stems & short
leaves in the sand.

742 *Paspalum* — ditto

743 *Panicum virgatum* ^{cubense Griseb} along bank of small
river. Both forms growing here.
Large panicle out of flower. Small
panicle in flower. Should be called a form rather
than subspecies.

744 *Panicum* ^{hercynicum Schult} ditto, growing
in water.

745 *Panicum* ^{crispum} ditto growing in
water or near it. Same as 638

746 *Panicum* ^{andropogon Nash} Same as 695
ditto near water or in water.

747 *Panicum webberianum* Nash
growing in sand along
Bay forming a much larger clump
only a portion of which is in flower.
about $\frac{1}{3}$.

748 *Amphicarpus*? along Bay forming
large mats of dense prostrate roots
in flower.

749 *P. paniculatum* ^{Ashe} along sandy bank
of pond along Bay. Very large
clump with prostrate ascending stems
only only 2 culms of which are
in flower.

751 *Spartina* — In water of pond
4-5 ft. high — more or less leaning
rather than strictly erect.

752 *Pan. gibbum*. In water & on sand in
water. Lvs. of water specimens somewhat
inflated even when growing. Land
spec. flatter. Stout shoots of land
spec. mostly without an sheath.
In water & culms often readily
spreading or decumbent on & near
surface of water. Lvs. divaricate
spreading — more or less pubescent.

753 *Paspalum* — Sand along by creek

754 *Paspalum* — Sand in cut along by
Sebastian April

755 *Panicum palustre* ^{Wack} *diff.* also stems
along one side of sandy road.

756 *Panicum* ^{Joarrii Ware} *in* *Hamrock*
mostly on the raised base of the
palmettos (cabbage).

757 *Panicum* ^{Schult} *commutatum* ^{Wack}
portion of Hamrock. Culms 1 or 2
in a tuft. Lvs. more or less

ascending directly from the base
(not decumbent) curved at base
Leaves much the shape of *triglochin*
but broader, pubescent. Sheath
sheaths. Panicle quite large
appears to be different from *triglochin*.

758 *Panicum* ^{not cit} *lanceolatum* ^{Wack} *not* like 753
Edge of palmetto woods sandy woods
& among grass. Lvs. green
culms, leaves very thin, soft & flexible
flat in the middle.

759 *Panicum* ^{chamaeloneum Trin} *Wack* *not* like 753
rather low.

760 *Panicum* ^{Joarrii Ware} *Wack* *not* like 753
is very low in the open

761 *Panicum* ^{Wack} *albidum* ^{Wack} *not* like 753
among palmettos low in woods

761 1/2 *Panicum* ^{Poole & Lee} *Wack* *not* like 753
rather narrow, woods

762 *Panicum* ^{Wack} *polycanthum* ^{Wack} *not* like 753
sandy
pin woods, almost none.

763 *Panicum* ^{Wack} *polycanthum* ^{Wack} *not* like 753
only found in 2 places.

764 *Panicum* ^{Wack} *lanceolatum* ^{Trin} *not* like 753
Edge of Hamrock among palmettos

764 1/2 *Panicum* ^{not c.}

765 $\frac{1}{2}$ Pan webberianum Nash

745- { *patulum* (S. M.) Hitchc
patulum. E. of Hancock
patulum. E. of Hancock
patulum. E. of Hancock
patulum. E. of Hancock

726 Pan *laevis* Trin

766 $\frac{1}{2}$ Pau webbermann nach

202 Parry patient, vulgar ^{Wash of U}
Nashua group but his lower
mandible spreads wider, compresses
jaw in a bunch

I suppose the ^{766 $\frac{1}{2}$} leaves of
narrow leaved forms are the same
⁷⁶⁷

760 $\frac{1}{2}$ This form is common in the barometer
of 5. It is all in the same as 756

62 $\frac{1}{2}$ am. Baldwins. Pine woods is obscure

763 $\frac{1}{2}$ Pan - ciliation 2 Km S? dirty
764 $\frac{1}{2}$ Pan. albomarginata all the same?
dirty

65 $\frac{1}{2}$ *Par. pyctorium?* det. Is not
the broad leaved form of *palustris*
I have already collected?

Spawning — like the one at Jewell
ditch along creek

Sanford, April 1
 76 $\frac{1}{2}$ Pan. *flavovirens* Nash
 among the palm-trees near San Juan
 ground rather dry however, being
 abundant. The place is populated
 of the open places between the palm-trees
 have plenty of this. 20

Can. albocylindrica ^{leaf} leaves
sparse, well decussate. St
thick leaves. Same habit.

Chamaelirioideae
Lancea

mostly under the palm trees. not the
same as 654 which has a large
bunches

771 Pan *polychaeta* Nash
thought it was *P. pallens*
but is not. has ciliate leaves in flat
munches. May be same as 772

772 Pan *polychaeta* Nash ditto

773 Pan *halapense* HBK ditto

774 Pan *nitidum* Lam
might be *subcylindricum*
but is much more slender & delicate
than 657. Leaves less pubescent
cul. erect. locally ditto. Also
subcylindricum grows in moist grassy
land in many of our fields.

775 Pan *chrysopsideifolium* Nash
leaves different from
anything I have seen. Very villous
cul. stiff. lvs. slightly upcurved, spreading
upper gray green in color, lower
ditto.

776 Pan *humatum* ^{not at} *P. acutis* *P. humatum*

777 Pan *halpense* a shrubby form much

^{not at} *P. palmella* in flat woods

778 Pan *chaetoclada* Trin
is this *chaetoclada*? local
ditto. looked a little different from
halpense which is very abundant
here & is rather a dark pubescent
spikelets.

779 Pan *triplex* Nash local ditto

780 Pan *albomarginata* ditto but
in open place. These two forms
entirely look different.

780 1/2 Pan *chaetoclada* Trin

781 Pan *chaetoclada* Trin
782 Pan *puberula* Nash large
spreading form. spread ground
flat woods

783 Pan *opala* (uncommon?) in sandy
ditch. flat woods

784 Pan *laevigata* Trin
quite pubescent & in a field with
looking (uncommon? pubescent?) ditto

785 Pan *ovale* Ell. ^{not at} along creek
sand about 15 miles east of San Francisco

786 Pan *fusiforme* Hitchc. ditto

787 Pan *ovale* Ell. ditto

788 Pan *capitata* ditto

789 Sp. *princeps* ditto

790 *Cladonia* ditto

791 Pan *fusiforme* Hitchc. ditto. I found
2 sps. with different size "spikelets"
I put them a pair comparison when I
have time

Tavara to Eustis April 8

782 *Pan. Webberianum* Nash
low flat woods. Rosette of large
flat leaves. Culms usually 1-3 in
a clump widely spreading from
base. Culms have dark "spoon" shape
slightly curved in both cross & long
section.

793 *Pan. pauciciliatum* Ashe
seems different from 782.
Culms more erect. Basal leaves not
conspicuously flat except for being
upward at base of culm. Localities
these are the only *Panicum* I saw
near the camping place. I found
this has smaller culms.

788 *Pan. chamaelanchae* Trin
Pan. chelonum among palmellas
in flat woods, more ground
leaves seem firmer & thicker
than the ones at Jensen.

795 *Pan. veriscale* H. & C. ditto, in great
mound soil among sphagnum.
Leaf panicle color, *Panicum molle* like
smaller culms more slender than
P. baldwinii. Basal leaves soft
& flaccid.

796 *Pan. palmatifolium* Nash
around edge of lake. In dry land not
far from the high pan. This is a narrow
fringe from I found at Miami K.
797 *Pan. pauciciliatum* Ashe
along edge of pond. There was a narrow zone
between palmellas & water. The following
755-800 all pan in this zone. The
thick brassy specimens were in the
palmellas where they were protected
from cattle. The slender specimens grew
in the edge of the water.

798 *Pan. veriscale* H. & C. ditto
799 *Pan. hypoleum* Nash ditto male
800 *Pan. leucostachyum* Nash ditto
801 *Pan. malacanthum* Nash
stiff culms with no flat roots, base brown
& knobby. High pan land. The only
specimen seen so far.

802 *Pan. palmatifolium* Nash
claus, but not palmellas. Growing
among the palmellas. This grows on the
driest ground of any *Panicum* I
have seen here. It differs from
Webberianum? (No. 782) in the narrow

April 9

leaves, especially the absence of the spoon shaped basal leaves. The basal sheaths of these are conspicuous & the leaves of it are more erect. 782 grows on moist ground near ponds. I have not seen the two together. It is possible they are in part of the same but they are so much distinguished by the full, that I should call them species. see 767!

803 *Pan. paniculatum* ^{Ashe} along the sandy Ry track near river. Showing how it grows in such situations. I take it to be the same as 782.

804 *P. paniculatum* ^{Ashe} growing abundantly in good land near river. margin of pond.

805 *Pan. paniculatum* ^{Nash} ditto, rare

806 *Pan. chaetochloa* ^{Trin} as it grows in sand along the bank.

807 *Pan. chaetochloa* ^{Trin} as it grows in sand near by in moist sand along the riverbank. So.

West of Tawares

April 9

808 *P. paniculatum* ^{Ashe} showing the beginning of the branching stage - along ditch.

809 *P. flexuosum* ^{Vermeade} ^{N.C.} grows in the swamps.

810 *Cenchrus ciliaris* along Ry track in sand.
811 *Prokatisia* ^{Nash} grows in dry high pine land among oaks, however it was not far from a swamp.

812 *Slipa* - high pine land among oaks. Culms 1-3 in a bunch - erect.

813 *Pan. malacum* ^{Nash} high pine land among oaks. Small bunches 2-3 culms. Culms erect or slightly ascending - not particularly stiff about like *angustifolia*. Purple.

814 *Pan. mitidum* ^{Lam} margin of cypress swamp pond. growing just at the edge of the water. Culms erect or decumbent at base, nodes strongly branched. Leaves mostly below & also above on the lower leaves. Culm leaf, the upper ones reflexed as in *bambusa*. Branches of panicle erect, appressed.

- inverted about the roots & upper part of leafy branches where the color is brownish
- 815 Sparium - Two ponds.
- 816 Paspalum - Sandy bank of Ry track
- 817 Pan. albomarginatum ^{Nash} on a hill covered with flat wood grass.
- 818 Pan. chaenocladum Trin. branching stems, among palmellas, in flat woods - several
- 819 Pan. paniculatum Nash. The branching stems. This shrub was a foot across & the outer culms all decumbent & much branched. Along Ry track in sand. Is this the same as the one calling paniculatum - horridum? Spleat only 1/2
- 820 Pan. ~~ovalis~~ ^{ovalis} Ell in sand along Ry track - in the Pan. bank. 20 miles E of Tawara. Same more hairy than 813 & panic more spreading. The heads not stiffly upright ascending as in 813. I have put no = 813 gathered at same place. I think they are different

- Samford Apr. 10
- 821 Pan. ^{laucacarium Trin} paniculatum. Sple. seen 2 m. Common in rather dry flat woods. This much water oak. Full from culms a foot or more in height. Sple. more or less secured on under side of branches. Culms ascending from a decumbent base but young culms seen & erect.
- 822 Pan. angustifolium? Common in ditto ^{not in} but not in flower.
- 823 Pan. ^{albomarginatum Nash} albomarginatum. Does not have the cushions basal leaves of albomarginatum. Head ditto.
- 824 Pan. ^{laucacarium Trin} laucacarium Trin. growing in a ditch near ditto
- 825 Pan. laucacarium Trin. Same name of like 821 head ditto
- 826 Pan. albomarginatum Nash. Along Ry in flat woods, burned over last winter. Generally short perennate. Same as 823 but larger, distinct glaucous culms. All of it along here was like this.
- 827 Pan. polyacanthum Trin. full in flat woods rather dry ground.
- 828 Pan. ^{chaenocladum Trin} chaenocladum. It grows along Ry track & large stone
- 829 ~~Cucurbit~~

Lakeland April

- 829 Quercus tribulatus. All full
the woods.
- 831 C. gracillima ditto
- 831 Pasp. compressum? ditto
- 832 P. sp. ditto low ground.
- 833 Pan. ^{ovale} ^{Ell} like elipsum but smaller
cf. 719. Both from low ground among
hum bays.
- 834 Pan. ^{fusiformis} ^{Hitchc} high pine
land among hum bays. Cylinders
great on some white hummock at base.
- 835 Pan. ^{angustifolium} ^{Ell} group but
entirely different from 834.
Low ground among palmetstes along
depression. Culms very tall nearly
erect. Not at flat placed leaves
of the fall stage.
- 836 Pan. ^{polycaulon} ^{Nash} low ground among
palmettes. Panicles more erect than
polycaulon which it resembles. Culms
taller than usual.
- 837 Pan. ^{fusiformis} ^{Hitchc} May be same as
834 but from lower ground
along with 835-836. Not a
plant to give pubescent. Thought it

was the same however

- 838 P. albo marginata ^{Nash} ditto local
culms mostly quite tall a foot or more.
^{838 1/2} Pan. ^{webbiana} ^{Nash} ⁸³⁹ ^{not sent} ⁸⁴⁰ ^{not sent} ⁸⁴¹ ^{not sent} ⁸⁴² ^{not sent} ⁸⁴³ ^{not sent} ⁸⁴⁴ ^{not sent} ⁸⁴⁵ ^{not sent} ⁸⁴⁶ ^{not sent} ⁸⁴⁷ ^{not sent} ⁸⁴⁸ ^{not sent} ⁸⁴⁹ ^{not sent} ⁸⁵⁰ ^{not sent} ⁸⁵¹ ^{not sent} ⁸⁵² ^{not sent} ⁸⁵³ ^{not sent} ⁸⁵⁴ ^{not sent} ⁸⁵⁵ ^{not sent} ⁸⁵⁶ ^{not sent} ⁸⁵⁷ ^{not sent} ⁸⁵⁸ ^{not sent} ⁸⁵⁹ ^{not sent} ⁸⁶⁰ ^{not sent} ⁸⁶¹ ^{not sent} ⁸⁶² ^{not sent} ⁸⁶³ ^{not sent} ⁸⁶⁴ ^{not sent} ⁸⁶⁵ ^{not sent} ⁸⁶⁶ ^{not sent} ⁸⁶⁷ ^{not sent} ⁸⁶⁸ ^{not sent} ⁸⁶⁹ ^{not sent} ⁸⁷⁰ ^{not sent} ⁸⁷¹ ^{not sent} ⁸⁷² ^{not sent} ⁸⁷³ ^{not sent} ⁸⁷⁴ ^{not sent} ⁸⁷⁵ ^{not sent} ⁸⁷⁶ ^{not sent} ⁸⁷⁷ ^{not sent} ⁸⁷⁸ ^{not sent} ⁸⁷⁹ ^{not sent} ⁸⁸⁰ ^{not sent} ⁸⁸¹ ^{not sent} ⁸⁸² ^{not sent} ⁸⁸³ ^{not sent} ⁸⁸⁴ ^{not sent} ⁸⁸⁵ ^{not sent} ⁸⁸⁶ ^{not sent} ⁸⁸⁷ ^{not sent} ⁸⁸⁸ ^{not sent} ⁸⁸⁹ ^{not sent} ⁸⁹⁰ ^{not sent} ⁸⁹¹ ^{not sent} ⁸⁹² ^{not sent} ⁸⁹³ ^{not sent} ⁸⁹⁴ ^{not sent} ⁸⁹⁵ ^{not sent} ⁸⁹⁶ ^{not sent} ⁸⁹⁷ ^{not sent} ⁸⁹⁸ ^{not sent} ⁸⁹⁹ ^{not sent} ⁹⁰⁰ ^{not sent} ⁹⁰¹ ^{not sent} ⁹⁰² ^{not sent} ⁹⁰³ ^{not sent} ⁹⁰⁴ ^{not sent} ⁹⁰⁵ ^{not sent} ⁹⁰⁶ ^{not sent} ⁹⁰⁷ ^{not sent} ⁹⁰⁸ ^{not sent} ⁹⁰⁹ ^{not sent} ⁹¹⁰ ^{not sent} ⁹¹¹ ^{not sent} ⁹¹² ^{not sent} ⁹¹³ ^{not sent} ⁹¹⁴ ^{not sent} ⁹¹⁵ ^{not sent} ⁹¹⁶ ^{not sent} ⁹¹⁷ ^{not sent} ⁹¹⁸ ^{not sent} ⁹¹⁹ ^{not sent} ⁹²⁰ ^{not sent} ⁹²¹ ^{not sent} ⁹²² ^{not sent} ⁹²³ ^{not sent} ⁹²⁴ ^{not sent} ⁹²⁵ ^{not sent} ⁹²⁶ ^{not sent} ⁹²⁷ ^{not sent} ⁹²⁸ ^{not sent} ⁹²⁹ ^{not sent} ⁹³⁰ ^{not sent} ⁹³¹ ^{not sent} ⁹³² ^{not sent} ⁹³³ ^{not sent} ⁹³⁴ ^{not sent} ⁹³⁵ ^{not sent} ⁹³⁶ ^{not sent} ⁹³⁷ ^{not sent} ⁹³⁸ ^{not sent} ⁹³⁹ ^{not sent} ⁹⁴⁰ ^{not sent} ⁹⁴¹ ^{not sent} ⁹⁴² ^{not sent} ⁹⁴³ ^{not sent} ⁹⁴⁴ ^{not sent} ⁹⁴⁵ ^{not sent} ⁹⁴⁶ ^{not sent} ⁹⁴⁷ ^{not sent} ⁹⁴⁸ ^{not sent} ⁹⁴⁹ ^{not sent} ⁹⁵⁰ ^{not sent} ⁹⁵¹ ^{not sent} ⁹⁵² ^{not sent} ⁹⁵³ ^{not sent} ⁹⁵⁴ ^{not sent} ⁹⁵⁵ ^{not sent} ⁹⁵⁶ ^{not sent} ⁹⁵⁷ ^{not sent} ⁹⁵⁸ ^{not sent} ⁹⁵⁹ ^{not sent} ⁹⁶⁰ ^{not sent} ⁹⁶¹ ^{not sent} ⁹⁶² ^{not sent} ⁹⁶³ ^{not sent} ⁹⁶⁴ ^{not sent} ⁹⁶⁵ ^{not sent} ⁹⁶⁶ ^{not sent} ⁹⁶⁷ ^{not sent} ⁹⁶⁸ ^{not sent} ⁹⁶⁹ ^{not sent} ⁹⁷⁰ ^{not sent} ⁹⁷¹ ^{not sent} ⁹⁷² ^{not sent} ⁹⁷³ ^{not sent} ⁹⁷⁴ ^{not sent} ⁹⁷⁵ ^{not sent} ⁹⁷⁶ ^{not sent} ⁹⁷⁷ ^{not sent} ⁹⁷⁸ ^{not sent} ⁹⁷⁹ ^{not sent} ⁹⁸⁰ ^{not sent} ⁹⁸¹ ^{not sent} ⁹⁸² ^{not sent} ⁹⁸³ ^{not sent} ⁹⁸⁴ ^{not sent} ⁹⁸⁵ ^{not sent} ⁹⁸⁶ ^{not sent} ⁹⁸⁷ ^{not sent} ⁹⁸⁸ ^{not sent} ⁹⁸⁹ ^{not sent} ⁹⁹⁰ ^{not sent} ⁹⁹¹ ^{not sent} ⁹⁹² ^{not sent} ⁹⁹³ ^{not sent} ⁹⁹⁴ ^{not sent} ⁹⁹⁵ ^{not sent} ⁹⁹⁶ ^{not sent} ⁹⁹⁷ ^{not sent} ⁹⁹⁸ ^{not sent} ⁹⁹⁹ ^{not sent} ¹⁰⁰⁰ ^{not sent}

846 Pan. ^{ovale Ell} high pine woods

847 *Panicum ciliiferum* Nash. ^{ovale Ell} high pine woods. Same red hat in a spain 845 - sufficient to send a bag to gl. house

848 Pan. ^{to the allonmaria} Nash high pine lands abundant

849 Pan. ^{lancearium Trin} high pine woods, in its 844 &c?

850 Pan. ^{fusiforme Hitchc} high pine woods

851 Pan. ^{ovale Ell} *ciliiferum* high pine woods. is 847 &c?

852 *Cenchrus ciliaris* flat woods

853 *Eragrostis ciliaris* flat woods

854 *Paspalum* - delta, all 3 are much

855 Pan. ^{webberianum Nash} flat woods culms sprawling.

856 Pan. ^{petiolaris Nash} *petiolaris* Arcadia clay My Greek

857 *Paspalum* - delta

858 Pan. ^{boldwinii not cited}

859 Pan. ^{not cited} ? delta

Mysus cont

860 *Andropogon* - flat woods

861 *Lophochloa fuscicollis*, margin of ditch

862 *Paspalum* flat woods

863 Pan. ^{heritomanii Schult} in water ditch

864 Pan. ^{lancearium Trin} is the same as 855?

in brush of palmettos in low rich place - some remains of panicle, note flattened culms & leaves - green not purple as 855

865 Pan. ^{chamaelonea Trin} flat woods

866 Pan. ^{chamaelonea Trin} is the same. Exposed place about old stumps, whole plant light green in striking contrast to 845 - growing nearby

867 Pan. ^{cutifolium Nash} culms spreading, color blue green, spike glabrous.

868 Pan. ^{polycanthum Nash} flat woods - purple culms erect from a spreading base

869 Pan. ^{lancearium Trin} flat woods = 855?

870 Pan. ^{albomarginatum Nash} (Pan) seen different from white - sharp joint so far away in low hillside. Note slender culms & stiff rather narrow & unrolled & rather erect basal leaves

871 Aristida. Specimens flat woods
 872 Pan. ^{Ell} ~~linear~~ along ditch
 873 ~~Pan. chaetoclouche Trin~~ among palmets - always
 green

874 Pan. ~~neolifolium~~ ^{Nach} ~~are in~~
 flat woods. Culms usual 1-2
 but there are young shoots of some
 which I suppose develop in flowering
 culms. Cul. erect from a slightly
 crowned base. ^{mostly purple}

875 Pan. ~~longiligulatum~~ ^{Nach}
 Prain - flat woods
 bluish green - culms - strictly
 erect. Old branched culms also erect
 difficult to distinguish from 876
 which grows with it. but has leaf
 + no basal rosette to speak of - color
 also bluish but panicle green?

876 Pan. ~~of the albomarginatum~~ ^{Nach}
 probably 870

877 ~~Pan. fusiforme Hitchc~~
^{group, strikingly}
 tall slender culms. Saw along by
 only camp seen, seems different from any
 yet collected! - later I found this is
 common but for coming quite flower
 Prains of flat woods

Apr 12 Myers Fla

878 Aristida - along Ry - flat woods
 879 Eragrostis - ditto
 880 P. albomarginatum ^{Nach} in prain of
 flat woods - Basal leaves strikingly
 green

881 ~~Panicum longiligulatum~~ ^{Nach}
 Panicle at first narrow like
 setaceous, at maturity only
 slightly spreading. The branches
 ascending. In an upright form(?) the
 panicle at maturity is widely spreading
 & the lower branches reflexed. Note
 that the old fall leaves are involucre
 which in 835 they are flat

882 Pan. ~~albomarginatum~~ ^{Nach}
 Much like the more flowered
 ones of albomarginatum but smaller.
 Note that lower leaves
 (basal) are flattened and slightly
 recurved - Prain of flat woods

883 A bunchy blue plant from
 note albomarginatum - ditto

884 Pan. ~~albomarginatum~~ ^{Nach}
 Prain of flat woods - branching
 flat & some

885 ~~Pan. chaetoclouche Trin~~
 Green baldpate as it seems
 in Prains of flat woods

- 886 *Pan albomarginatum* Nash
a stiff green form of alba-
- 887 *Pan chamaelouchei* Trin
Orchid, purple form
- 888 *Pan laucearum* Trin
the large spray-like and with
broad lobes, some leaves somewhat
- 889 *Pan pauciciliatum* Nash
a small form but I am
not sure that they are not the same
- 890 *Pan trifolium* Nash
the simple spike form which
looks otherwise much like 886 & 89
also some form of albomarginatum
- 891 Spout form, sand dunes in field
- 892 *Eustrochys palmifolia* - ditto
- 893 This must be *Pan blouffianum* Nash
I suspect is the same as 886 & 89
- 894 note *Pan erubescens* showing branching
- 895 *Pan chamaelouchei* Trin
purple - 893 but a purple
buds form a flattened form
- 896 893 - showing branching - ditto
- 897 *Pan caeruleo-erubescens* Nash
in a hill hammock - one, culms seen
- 898 *Pan nitidum* Lam
the old branch
culms seen in a different spot
from the green one but is probably
the same species - only culms seen

- 899 *Pan fusciforme* Hitchc
coming into flower, low hammocky
ground among palm trees, culms
small slender, old branches
culms very diffuse
- 900 *Pan ovale* Lam
culms very diffuse, local ditto but
on drier ground, just coming
into flower
- 901 *Chaetochloa umbellata* - sand pit
- 902 *flavovirens* Nash local of 893
- 903 *Pan polyacanthum* Nash at beach, ditto
- 904 *Pan caeruleo-erubescens* Nash
ditto, ditto
- 905 *Pan flavovirens* Nash
hammock
- 906 *Pan palapense* Nash
hammock
- 907 Spout - spout
- 908 *Pan frutidum* Lam
hammock along
spout
- 909 *Pan joraii* Vaz Hammock
- 910 *Pan websterianum* Nash local 1/5
of a large, bushy bunch
- 911 *Pan laucearum* Trin
hammock
- 912 *Pan fusciforme* Hitchc
hammock
- 913 *Pan laucearum* Trin
hammock (scrub)
- 914 *Pan ovale* Lam
hammock, mostly
rather large bunch

4-12-06

915 $\frac{1}{2}$ Pan patentifolium Nash

915 Pan caeruleus Hack

916 Pan chamaelauche Trin

917 not Pan ~~patentifolium~~ ~~Nash~~

918 Pan webberianum Nash

918 $\frac{1}{2}$ → Pan ~~patentifolium~~ ~~Nash~~

919 Pan lucidum Ashe

920 Pan ~~patentifolium~~ ~~Nash~~

921 Pan trifolium Nash

922 Pan ~~patentifolium~~ ~~Nash~~

923 Pan ~~patentifolium~~ ~~Nash~~

924 Pan ~~patentifolium~~ ~~Nash~~

925 Pan ~~patentifolium~~ ~~Nash~~

926 Pan ~~patentifolium~~ ~~Nash~~

927 Pan ~~patentifolium~~ ~~Nash~~

928 Pan ~~patentifolium~~ ~~Nash~~

929 Pan ~~patentifolium~~ ~~Nash~~

930 Pan ~~patentifolium~~ ~~Nash~~

931 Pan ~~patentifolium~~ ~~Nash~~

932 Pan ~~patentifolium~~ ~~Nash~~

933 Pan ~~patentifolium~~ ~~Nash~~

934 Pan ~~patentifolium~~ ~~Nash~~

Tampa Apr. 13

927 Pan xalapense HBK

928 Pan chamaelauche Trin

929 Pan lanceolatum Trin

930 Pan ~~patentifolium~~ ~~Nash~~

931 Pan ~~patentifolium~~ ~~Nash~~

932 Pan ~~patentifolium~~ ~~Nash~~

933 Pan ~~patentifolium~~ ~~Nash~~

934 Pan ~~patentifolium~~ ~~Nash~~

935 Pan ~~patentifolium~~ ~~Nash~~

936 Pan ~~patentifolium~~ ~~Nash~~

937 Pan ~~patentifolium~~ ~~Nash~~

938 Pan ~~patentifolium~~ ~~Nash~~

939 Pan ~~patentifolium~~ ~~Nash~~

940 Pan ~~patentifolium~~ ~~Nash~~

941 Pan ~~patentifolium~~ ~~Nash~~

942 Pan ~~patentifolium~~ ~~Nash~~

943 Pan ~~patentifolium~~ ~~Nash~~

944 Pan ~~patentifolium~~ ~~Nash~~

945 Pan ~~patentifolium~~ ~~Nash~~

946 Pan ~~patentifolium~~ ~~Nash~~

947 Pan ~~patentifolium~~ ~~Nash~~

947 *Pasp. Joazei* Vase
 abundant. Firm deep leaves
 & completely covers the ground
 places. Culms decumbent dense
 spreading very numerous in a bunch
 the lower culms are green & a
 small one. Also show included
 culms & some of the branching, stems
 roots different from the last and
 from the other probably because growing
 on richer soil.

948 *Pasp.* — open place in hammock

948 *P. albomarginatum* Nash
 palmetto, broad leaves, brown green
 949 *P. polycaulon* Nash
 palmetto, prostrate, the culms
 much spreading & branching at
 right angles, the culms mostly purple

951 *P. chamaelouchei* Trin
 952 *P. chamaelouchei*
 ditto = 951. Same position

953 *P. trifolium* Nash

954 *P. chamaelouchei* Trin
 ditto, but in a very sandy bunch

955 *P. meibianum* Nash
 among palm trees

956 *P. laccareum* Trin

957 *P. longiligulatum* Nash

the lower culms, green, among the
 palmetto. The sheath is more
 spread places. The culms are
 erect, in spread places bluish green
 glaucous. The leaves of culms spreading
 the 2nd from base are likely to be
 reflexed. I think this is the same
 as the "parvifolium" of H. Meyer, but
 I believe that the glaucous, some
 there are some pubescent leaves
 others but they appear to be all the
 same. Sp. puber.

958 *P. longiligulatum* Nash

958 1/2 *P. vermale* H. C.

959 *P. vermale* H. C.

960 *P. vermale* H. C.

961 *P. nitidum* Lam

962 *P. trifolium* Nash

963 *P. chamaelouchei* Trin

964 *P. chamaelouchei* Trin

965 *P. chamaelouchei* Trin

966 *P. chamaelouchei* Trin

967 *P. chamaelouchei* Trin

- 964 *Pan fusiforme* Hitchc
Pan fusiforme among
Pan fusiforme among
- 965 *Pan caeruleo-virens* Nash *Doanckensis*
Pan caeruleo-virens among
 on small hillside - 961. among
 palm trees near a sugar bush
 after abundant at base. Nash
- 966 *Pan fusiforme* Nash *Doanckensis*
 for the first time in 1/2 ft
 high, purple - some green
- 967 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 968 *Pan ovale* Ea *Doanckensis*
 small leaves, color not as good
- 969 *Pan fusiforme* Nash *Doanckensis*
 near small hillside - at base
- 970 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 971 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 972 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 973 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 974 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones

Manatee April

- 975 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 976 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 977 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 978 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 979 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 980 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 981 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 982 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 983 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 984 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 985 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 986 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 987 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 988 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 989 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones
- 990 *Pan fusiforme* Nash *Doanckensis*
 - a few small ones

consanguineum Kth

- 987 Pan looks like *trifolium* group. All leaves look much like
988 *roanokeense* Ashe
989 Pan of *trifolium* group. Red leaves
all opposite ascending, under pale
long like sample. purple below
(*trifolium*?) along ditch bank by
road through Cypress fields. The
specimen along ditch of all the specimens
flowers brown. leaves with red veins
990 Pan *longiligulatum* Nash
991 Pan *aciculare* Desv.
992 Pan *albomarginatum* Nash
993 Pan *ciliatum* Ell
994 Pan *pauciciliatum* Nash
995 Pan *ciliatum* Ell
996 Pan *ciliatum* Ell
997 Pan *ciliatum* Ell
998 Pan *ciliatum* Ell
999 Pan *ciliatum* Ell
1000 Pan *ciliatum* Ell

- 994 P. *laucarium* Trin
995 Pan *arvense* in grass near station
996 *trifolium* Nash
997 Pan *trifolium* Nash
998 999 1000 The field is cut off
probably been cut flat woods
1001 Pan *roanokeense* Ashe
1002 1003 1004 *consanguineum* Kth
1005 P. *ciliatum* Ell
1006 Pan *ciliatum* Ell
1007 P. *ciliatum* Ell
1008 P. *ciliatum* Ell
1009 P. *ciliatum* Ell
1010 P. *ciliatum* Ell
1011 P. *ciliatum* Ell
1012 P. *ciliatum* Ell
1013 P. *ciliatum* Ell
1014 P. *ciliatum* Ell
1015 P. *ciliatum* Ell
1016 P. *ciliatum* Ell
1017 P. *ciliatum* Ell
1018 P. *ciliatum* Ell
1019 P. *ciliatum* Ell
1020 P. *ciliatum* Ell

Lake City, April 16

1008 *Pan. commutatum* Schumacher
 Rays small, culms erect from
 a some what decumbent base.
 Essentially erect tufts. The
 leaves much like the ones
 culms erect at base.

1009 *Pan. laxiflorum* Lami
 Schumacher. In
 sand. One spec shows a rather
 small tuft. The culms are small
 and the leaves much like the ones
 of the one was of the large tufts.
 Color light green like *laxiflorum*.
 Culms erect but rather soft &
 glaucous.

1010 *P. pubifolium* 1010 *P. boscii* molle (Vas) Hitchc.
~~*ravenelii* Schumacher~~ woods.
 1010 *P. pubifolium* very pubescent

1011 *Pan. joazeiro* Vas
 Schumacher. In
 a shady place. Presumably or
 spreading. Grows with com-
 munitatum. Forth much
 but seems distinct by its
 habit. Although I can see some
 doubtful shades.

1012 *P. arencoloides* Asher, old
 field on a hill among pines.

about the same, high pine.
 Culms erect, spreading, just arising
 into flower.

1013 *Pan. ovale* Ell
 Schumacher. Or oval - high, sandy
 woods among feebly pine & timber
 erect or spreading.

1013 *Pan. pseudopaniculatus* Nash
 Schumacher. In a
 clump, lower tufted, erect,
 ditto head quite distinct.

1015 *P. mutabile* S. & S.
 Schumacher. In a
 more in the shade. It seems
 different from *commutatum*. Shorter
 erect, narrower leaves & only 10
 (or more 2 culms) in place with
 the large old fall culms all shrub
 & all other looks different also.
 This may be the same as the
 specimen found. Spec of 1008.

1016 *Pan. laucearum* Trin
 Schumacher. High, dry hillside
 some long hard pine, looking on.

1017 *P. commutatum* ditto. note
 Attracted my attention because of
 its pubescence. Culms 1-3 in height
 erect.

1018 *F. ...* sandy, well field

- 1019 *P. aliatum* Ell. Flat woods
- 1020 *P. versale* N.C. type. sphagnum bog
- 1021 *P. albomarginatum* Nash sphagnum near edge of swamp. The spec. was one large leaf. Sp. larger than 1022
- 1022 *P. albomarginatum* Nash flat woods
- 1023 *P. trifolium* Nash flat woods near swamp
- 1024 *P. Webbiana* Nash flat woods near swamp. Unlike the others, I have found this grows in large bunches with just a hint of smooth leaves.
- 1025 *P. laucearicum* Trin. ditto. Small leaflets or normal.
- 1026 *P. lucidum* Ashe sphagnum swamp & thicket. It was a large leafy plant, but the leaflets are large, lobes ascending.
- 1027 *P. dracunculaceae* Trin. sphagnum bog. Around the base of trees in bare spot.
- 1028 *P. laucearicum* Trin. ditto. Specimens one
- 1029 *Exdum* - in border of swamp.
- 1030 *Exdum* sandy soil in flat wood along road.
- 1031 *Asperis humilis* ditto

- 1032 *P. laucearicum* Ell. in an old cull. yellow, very abundant, not in flower yet. This is an old collection (1885) from Chalee by the Spring cove.
- 1033 *P. trifolium* Nash ditto. Small form & pubescent for commutation 1008 & 1015. Growing together & can be as different in habit. 1015 is pubescent in sheaths & leaves but very few lobes or cilia.
- 1034 *P. laucearicum* Trin. sphagnum bog near place of bogs & rich hummock. Near banks of lake on a rich hummock, not in flower.
- 1035 *P. montabile* St. Bun. of 1015. Growing good common. It is a rich hummock. Differ. - narrow & long leaves. Whole plant green & somewhat glaucous, while some is purple on cilia & tips such as leaf bases. Lower leaves long, (of involucre) than & the lowest cilia leaves

4-17-06

Panciliatum Ed
an *Chamaelancha* Trin
trifolium Nash

1039 $\frac{1}{2}$ *P. lancea* *guttulata* *angustifolia*
an ciliatum *El*

10-1 *verecale* H. & C. delb.
 10-2 *trifolium* Hach. delb.
 10-3 *strigosum* Muhl. delb.

1093 *Parus not* ^{at} *Slavica* *not* *Bohemica*

P. villosissimum Nutt. - Same place
as *repens*.

" *pseudopuber* ^{King} all two groups put

commutatum

Trifolium

[Faint handwritten notes at the bottom of the page]

53 *Pan trifolium* Nash
 Dry hill - oak woods
 54 *fusiforme* Hitchc
 55 *P. oligosaccharum* Schultze
 56 *Pan.* in swamps: quite common
 not red - flowers blue and yellow
 open blue

7. *Asperula officinalis* - after you
see the book in town in Berneville

9 *Panicum lucidum* Ache

1000 *Populus tremula* *Asplenium platyneuron* *Asplenium platyneuron* *Asplenium platyneuron*

Below Miss April 1882
ciliatum Ell. That grows (and scum) in
 and low salt water at low water - very
 frequent in some places here and there

1062 $\frac{1}{2}$ Wash

[illegible]

- 1065 *Pan. arum*. Along road - ditch
- 1066 *Pan. verrucosum* H.C. common in wood
- 1067 *Pan. ensifolium* Bald
 I think this is a deep form of 1066
 No same off on this & 1069
 Sph. pubescent! Is it the same
 as 1063? Looks different and
 more slender & more erect in a bunch
- 1068 *Pan. longiligulatum* Nash
 In woods. Not yet in flower
- 1069 *Pan. densarum* Kth
 In woods. Not yet in flower
 This different erect growing and with
 foliar not seen.
- 1070 *Pan. consanguineum* Kth
 In woods. Not yet in flower
 This much larger, the leaves
 are more slender & the culms are
 much taller & more in the form of a
 panicle of flat woods. I think it
 may be a form of 1069 but looks
 different.
- 1071 *Aristida* *alticola* and *Aristida*
- 1072 *Pan. trifolium* Nash

- 1073 *Pan. ~~halapense~~ ^{halapense} H.C.* In woods
 open - near coast. Spreading a
 much prostrate. Light green.
 Is this the same as 1009?
 Much smaller
- 1074 *Phytolacca* - In Tracy's Garden
- 1075 *Aristida* *lyrata* - ditto
- 1076 *Euloma* - ditto erect
- 1077 *P. ~~aruncaloides~~ ^{aruncaloides} (H.C.)* a rather
 small bunch. Culms erect.
 Panicles when fully open
 to have ascending branches, not reflexed
 like some forms. This is the same
- 1077 1/2 *Gracil* *P. ~~aruncaloides~~ ^{aruncaloides} Smith*
- 1078 *Pan. ~~sphaerocarpan~~ ^{sphaerocarpan} H.C.* Looks
 like a cornucopia but the leaves
 are small. Form large prostrate mats
 like bunch put in. Tracy's Garden
 Culms spreading a very prostrate in
 small bunches or in single culms
 like several spec. may be
 ascending
- 1079 *Pan. ~~lanceolatum~~ ^{lanceolatum} H.C.* ditto. Culms erect
- 1080 *Pan. ~~frederico-hubertianum~~ ^{frederico-hubertianum} Nash*

Can't find
any more

Tracy's
Garden

- and not yet in flower. *Andropogon*
Cyperus much larger
 1081 *Pan. nitidum* Lam. new vessel on
 1/2 of the clump with most of the old
 culms broken off. These culms
 seem to be mostly erect. In a
 garden in a rather moist place
 1082 *P. aciculare* Desv. abundant in
 open pine woods but not in flower
 1083 *Pan. canaliculatum* Kth
 1084 *Pan. flab. woods sphaerocarpon* Ell
 1085 *Pan. " "*
 1086 *Pan. " "*
 1087 *Pan. angustifolium* Ell
 1088 *Pan. trifolium* Nash
 1089 *Pan. trifolium* Nash
 1090 *Pan. trifolium* Nash
 1091 *Pan. trifolium* Nash
 1092 *Pan. trifolium* Nash
 1093 *Pan. trifolium* Nash
 1094 *Pan. trifolium* Nash
 1095 *Pan. trifolium* Nash
 1096 *Pan. trifolium* Nash
 1097 *Pan. trifolium* Nash
 1098 *Pan. trifolium* Nash
 1099 *Pan. trifolium* Nash
 1100 *Pan. trifolium* Nash

Mississippi City Apr. 20
 1089 *Pan. trifolium* Nash Culm uniformly
 leafy & erect. Culm
 leaves may be few or many but not
 so stiff as *abundant*. Along
 ditch in low pine woods.

- 1090 *Pan. pseudopubescens* Nash
 1091 *P. angustifolium* Ell
 1092 *Pan. canaliculatum* Kth
 1093 *Pan. laevis* Trin
 1094 *Pan. curtifolium* Nash
 1095 *Pan. sphaerocarpon* Ell
 1096 *Pan. trifolium* Nash
 1097 *Pan. trifolium* Nash
 1098 *Pan. trifolium* Nash
 1099 *Pan. trifolium* Nash
 1100 *Pan. trifolium* Nash

1095 *Pan. sphaerocarpon* Ell
 1096 *Pan. trifolium* Nash
 1097 *Pan. trifolium* Nash
 1098 *Pan. trifolium* Nash
 1099 *Pan. trifolium* Nash
 1100 *Pan. trifolium* Nash

- 1101 P. polycaulon Nash
1102 P. sphaerocarpan Ell
+ not in flower yet.
1103 P. mutabile S. M. Scrambled along
edge of swamp, much like
mutabile &c. Cicles and strictly
grows such, sometimes 2 or 3, but
blue green almost glaucous. Lower
leaves elliptic
1104 P. commutatum Schult
In same locality but on better
ground, color light green, or
purple but not blue green, lower
leaves not white. Appears to be a
more delicate plant, leaves drooping
to ground at base. May be only
a form of 1103. Back and front
coming out green.
1105 P. angustifolium Ell
In scrubby woods. This
seems to be same as 1077
1106 P. philipparthes Schult
1107 P. naviculata S. M.
1108 P. commutatum Schult
= 1107 but a dry plant.
1109 P. serotinum Nash
I think this is different from 1077
Scrub. villosissimum Nash

Polycaulon Kach

1602

Pan sphaerocarpan Ell

to that in flower etc.

1102

P. multisepta Tr. & L.

P. multicolor ^{to 10 in} Harvest along
edge of swamp, under hickory,
magnolia &c. Cules and thick
growth. Sm. flowers 2 or 3. Blu
blue pur - almost glaucous. Lower
leaves lobate.

Pan compositum Schult

Paris comutatum Schult
In same locality and on similar
ground, color light green, or
purpl. but not blue green, lower
leaves not white. Appears to be a
more delicate plant, leaves deeper
to narrower at base. May be only
a form of 1103. Back and front
leaves, not shown.

1105

Panicum angustifolium Ell. 1077

1106

Pauline and the Schult

102

Traveling Sum

Pan constrictatum Schult

No

Scrub. villosissimum Nash

- 1110 *P. nuttallii* In grassy scrubby
place. Long narrow leaves in middle
reflexed, flowers. not cited
- 1111 *P. trifolium* Nash. In large bare
leaves. Scrub
- 1112 *P. pseudopubescent* Nash
Same as some of the others
rare above rings of rocks, scrub
- 1113 *P. pauciciliatum* Ashe
but less spreading
even with shed of *Wicheria*. Dry
pine woods.
- 1114 *P. chamaelocoe* Trin
Low pine woods
- 1115 *P. angulifolium* Ell Scrub. In fall leaves

P. nuttallii In grassy scrubby place. Long narrow leaves in middle as
reflexed, lanceous; not cited

111

P. triplum ^{hark} ^{not} large base
leaves ^{Drub} ^{not} ^{not}

112

Pan pseudopubescent Nash

More glaucous rings of wood, scrub
Pan. pauciciliatum Ashe
 even with shell of *Wachteriana*. Dry

Chamaelirium

P. angustifolia Ell Scrub. Not full leaves

Russell La Apr 21

1110

Eastern, along ditch by Bay
East, large clumps of probably
50 bushes.

111

Phallens — along by creek,
mostly 1-3 culs, thick.

111

Eastern, Along shore by Bay

Letter Charles Lee Apr 21

71

Agnes Chivlain, Clerk of Court

412

A. by anal. ditto.
Pasha's expression ditto

- 1122 *Festuca tenella* - ditto
 1123 *Pan. acicularis* - ditto
 1124 *Pan. xalapense* HBK
 1125 *Pan. sphaerocarpan* Ell
 1126 *Pan. acicularis* Desv.
 1127 *Pan. nitidum* Lam
 1128 *Pan. subbarbatum* - ditto - in clump of
 bushes - erect.
 1129 *Pan. lauriginosum* Ell
 1130 *P. triplicatum* - ditto - spreading - from
 Culin. spreading - sheet of P. websterian
 1131 *Pan. ovicinum* Smith
 1132 *Pan. sphaerocarpan* Ell - ditto - This from
 the large bush - leaves very
 abundant - leaves are
 equally abundant - leaves are
 prominent - small - 9 cells.
 1133 Is this *P. lucens* Ell - young - water
 in ditch. Erect perennial, culms
 dark green. Plant in the field
 1134 *Pan. sphaerocarpan* Ell
 This is a *P. sphaerocarpan* but not
 quite different from the *P. sphaerocarpan*
 who is nearly erect - elongated leaves -
 in bunches - in the field

- 1135 *Pan. lauriginosum* Ell
 This must be *P. echinatum* ditto
 culms erect or slightly prostrate
 at base - 1-3 in - in bunch - very hard
 yellow. The glumes are quite
 noticeable when growing -
 very green color - old culms
 apparent in erect - reclining
 not prostrate
 1136 *Pan. lindheimeri* Nash
 after found in
 old field - quite spreading
 is this - 1137? Leaves different
 from 1137.
 1137 *Pan. sphaerocarpan* Ell
 ditto - culms erect or
 spreading
 1138 *Pan. lindheimeri* Nash
 very erect - culms
 leaves - culms erect, old culms
 erect.
 1139 *P. consanguineum* Keh
P. angustifolium - very ditto.
 culms erect - spreading - Nash
 Lam. sheath & flat old leaves
 1140 *P. aciculare* Desv.
 ditto - not small
 sheath & tubular old leaves
 culms erect.
 1141 *P. ovicinum* L.
 ditto -
 not smooth culms (above) tall.

4-21
Celos, stiff slightly under old
leaves.

Here are 3 species of August
pump, growing under same
conditions & I am satisfied
are different species.

1142 *Pan. ~~viridulum~~ ^{joarri} Vasey* ~~var.~~ ^{var.} *var. ~~viridulum~~*
Woods border of Cypress Swamp.
Has a lot of *Microtheca*. Culms
spreading, decumbent at base, some
erect above, leaves numerous
pubescent at base as in *Microtheca*
not much branching in leaf
common here.

1143 *P. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
Culms erect, old culms shed in
autumn.

1144 *P. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
erect or slightly spreading at base
under this - 1135

1145 *Eclonia* dry pine woods. Erect
culms, single or few.

1146 *P. trifolium* ^{Nash} Dry pine woods
I suppose the soft culms are
the same as the branches

4-22
1147 *Pan. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
Culms strictly & slightly erect,
usually single, sometimes in small
clumps. Leaves stiffly horizontal
in position at tip even when young
old culms short & much branched
(erect, apparently). Dry pine woods
in the open sterile portion

1148 *Pan. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
This must be young *subserotum*
here in the open but same as

var. ~~viridulum~~ ^{viridulum} Lam. ~~var.~~ ^{var.} *var. ~~viridulum~~*
erect, apparently. Dry pine woods
in the open sterile portion

1149 *P. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
erect, apparently. Dry pine woods
in the open sterile portion

1150 *P. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
erect, apparently. Dry pine woods
in the open sterile portion

1151 *Pan. ~~viridulum~~ ^{viridulum} Lam.* ~~var.~~ ^{var.} *var. ~~viridulum~~*
erect, apparently. Dry pine woods
in the open sterile portion

1153 *Pan. nitidum* I don't understand this. I saw
green short culms with barked roots
that I thought were a new form
of *subvolutum*. All of No. 1153
was gathered around the same clumps
near a swamp. I think it's all the
same species. Some is small & some
is of more developed shape. Furthermore
I find that part of it has raised
sheaths & panicle axes. Is it all *sub-*
volutum? Maybe it's the green panicle
of *Bushii*.

1153 ³ *Pan. nitidum* I don't understand. This, I saw
some short cutters with banded work
that I thought was a new form
of subventralia. All of Nov. 1153
was gathered around the same clumps
near a swamp. I think it's all the
same species. Some is small & some
is quite well developed. Further you
I find that part of it has raised
clumps & parallel lines. Is it all sub-
ventralia. Maybe it's the green pan. com.
of Bishop.

1154
Pan. nitidus
This is the same as I found of
young in good condition among
palmettoes near the river. I have
found the same young in grass land
(high river). I think probably it
is the same. Pan. em. of I saw, or
thought it was local. I remember
the same.

1155- ~~The above~~ *Paraceraspermum* Kth
 deep Prun wood. The same as I have
 but is darker and a much deeper
 much typical of the *maculatum*

grows where good conditions
prevail, where water well
up to 1000 ft.

1154 Pan. lindheimeri Nash all bud
upst. near evening not flower

1157 Phallus ditto.

1158 *Salvia*, Pine woods

1145 Eastern Old field:

1160 Après breucl's pour l'ours

11601 *Sporob. andreae* old full

1162 *Pan. strigosum* Muhl. *as canaliculatus*
leucostrius Nash *pubescens* Muhl.

leucathrix Nash

1148 *P. n. gadkumene* *de*

1165 *P. ludlowi* Z. Along a ditch.

This is just coming in flower.
leaves elongated & not deflexed
as in *spaldingii*. This may be
the true *lintherumii* of Engelm.
Does not smell like *lintherumii*
of Washington.

Wallow Lake Apr 28

1166 Phalaris — a weed in
an old field.

1167 Festuca — ditto

1168 Geranium ditto

1169 Agrostis nemoralis ditto

1170 St. Elphidium ditto

1171 Pan. ^{rostrata} ~~purpurea~~! Prairie along
edge of field close to the old
field. Large bunch with culm
sprouting or young shoots.
Stiff, leaves thick stiff sheath
differs a bit respect glaucous
of the Pan. group of this group
that I have seen. Some white
about a color instead of gray
or citrine.

1172 Pan. ^{ovata} ~~purpurea~~ ditto and
in old field also. Culm slightly
erect. Leaves harsh stiff slightly
curved. Old culm also
erect.

1173 P. ^{Hack} ~~Hack~~ ditto. Along
widely spreading — almost
prostrate, the young culms almost
erect. Lower leaves about half

of them quite broad. Blue-green
color.

1174 Pan. ^{rostrata} ~~purpurea~~ ^{Ashe} large
bunches strictly erect. in prairie
swamp. Culm light glaucous
green. Leaves strictly appressed
on culm, just coming into flower.
Seems to be the same as the last.

1175 Pan. ^{shrub} ~~rostrata~~ ^{Schult} Prairie swamp,
as above. Culm plants Scapitulum
crinum? ^{by me} ~~by me~~
strictly erect. Large bunches
old culm seen to be erect also.
Leaves of culm reflexed as in
mid-culm. I suspect the latter
call it a species. just coming
into flower.

1176 Pan. ~~crinum~~ along roadside
in open ground.

1177 Alopecurus in moist spot by
side of road.

1178 Sparganium along roadside

1179 Pan. ^{Hack} ~~Hack~~ broad leaves
lower leaves of Hack are elliptical
around of pubescence a sheath

- 1180 *Panicum* *narrow* & not *celist* at base
 1181 *Panicum* *sphaerocarpan* Ell
 1182 *Panicum* *xalapense* HBK on open hillside
 1183 *Panicum* *maritimum* Ell ditto
 1184 *Panicum* *maritimum* Ell ditto
 1185 *Panicum* *maritimum* Ell ditto
 1186 *Panicum* *maritimum* Ell ditto
 1187 *Panicum* *maritimum* Ell ditto
 1188 *Panicum* *maritimum* Ell ditto
 1189 *Panicum* *maritimum* Ell ditto
 1190 *Panicum* *maritimum* Ell ditto
 1191 *Panicum* *maritimum* Ell ditto
 1192 *Panicum* *maritimum* Ell ditto
 1193 *Panicum* *maritimum* Ell ditto

- 1184 *P. oligosanthos* Schult. Open oak woods
 ditto.
 1185 *P. mucroni* in open woods
 type locality ditto.
 1186 *Paspalum* along road near creek
 between Harwood & Hochberg
 1187 *Schizanthus* - in Thomas place
 Open hard pan spot.
 1188 *Trichostema dactyloides* along road
 ditto.
 1189 *Eriogonum hyemalis* along road
 in sandy place ditto.
 1190 *Festuca*, along creek in rich
 soil - ditto.
 1191 *Malva* ditto.
 1192 *Pan. Lindheimeri* ^{very} ^{rich} soil -
 soil in flower, not abundant
 but a few occurring here.
 1193 *Pan. Lindheimeri* ^{rich} soil -
 abundant, in open woods, common
 just coming in flower. Leaves not
 leaves spreading. Color light green.
 1194 *Sperg. arborescens* just through
 wood 1187

1205 *Nellkummi* *Lycium*, leafy
1277, abundant.

1206 *Chloris* leafy 1197

1207 *P. jorri* ^{Vas} *Thurberia* like but
petals at 1/2 open. Asters specially
but more stiff erect than *Thurberia*
them. In rather rich woods, along
the creek. In my own det I
see any *Thurberia* basal leaves

1208 *Pan. jorri* ^{Vas} *Thurberia* like but
more basal leaves. Similar
leaves.

1209 *Pan. angustifolium* ^{Ell} *Thurberia* like but
+ larger leaves, especially at upper
+ I think the smaller spk. ^{more after}

1210 *Pan. ovium* ^{Sos} *Thurberia* like but
leaves + upper leaves much smaller

1211 *Pharus* most ground not cut

1212 *Pharus* ^{Kash} *Thurberia* like but

1213 *Pan. sphaerocarpon* ^{Ell} *Thurberia* like but

1214 *Pan. huachucae* ^{silvicola} ^{Kash} *Thurberia* like but

1215 *Pan. lindheimeri* ^{Kash} *Thurberia* like but

1216 *Pan. sphaerocarpon* ^{Ell} *Thurberia* like but
inflated in low open ground
erect. is the same. 1213

1217 *Bromus micranthus*, pasture
in woods near creek

1218 *Paspalum*, common ditch

1219 *Poa annua*, ditch

1220 *Echinochloa*, ditch

1221 *Pan. angustifolium* ^{Ell} This is the form
mentioned under 1209, this occurs
up to open prairie but common
I have not seen in 1209 on
a prairie sp. I believe the plant
of the upper leaf is a good character
to separate them.

1222 *Pan. ovium* ^{Sos} *Thurberia* like but
as in the same. Much smaller
leaves in prairie swamp where
it is common. quite tall

1223 *Pharus* shrubby, fall colors
prairie not cut.

1224 *Pan. angustifolium* with flat
leaf leaves ^{not cut} = 1226?

1225 *Pan. aciculare* ^{Sos} *Thurberia* like but
leaves small patches
prairie. The leaves smaller
spk than 1221 & is later blooming

1226 *P. thurberiae* shrubby fall colors
prairie

- 1227 *Andropogon furcatus* Presl
1227 1/2 *stipa*
1228 *Eragrostis* *glabra*
1229 *Agrostis longicaulis* Open dry wood
oak hills red soil
1230 *Cirsium discolor* *delle*
1231 *Festuca octoflora* *Walt*
1232 *A. glaberrima* *delle*
1233 *Poa annua* *delle* in low run
1234 *Polypogon* *delle* *grassy*
1235 *Poa pratensis* *delle*
1236 *Poa* *tristis* *not at*
1237 *Poa* *hyemalis* in woods. *not at*
1238 *Poa lanuginosa* *EA* "
1239 *Poa palmeri* *Walt* "
1240 *Poa* *tristis* *delle* "
1241 *P. inflata* *S. L.* *Poa sphaerocarpa*
1242 *Poa* *tristis* *delle*
1243 *Poa* *tristis* *delle* *marshy*
1244 *Poa baccii* *Poir* "
1245 *Poa ravenelii* *S. L.* "
1246 *P. dichotoma* *delle* *low*
1247 *Poa* *tristis* *delle* *low*
1248 *Poa* *tristis* *delle* *low*

1227 $\frac{1}{2}$

Stepia

1928

Shreya par 14/26

11/229 *Agrostis longicaulis* Open dry woods
oak hills - red soil

230 Cina Comedianti delle

Actinoflora ^{Walt}

1292 A. G. Allen, letter

1933 *Pinus arvensis* della ... in ...

1254. *Alnus* - della specie *maritima*

235 *Pinus strobus* Mill.

236 Penn. Inst.

121797 *P. m.* *h. lill* in *novels* *robot*

Pin. lamuginosa Ea

Хабарение НВЗ

27 Jan 1900

~~11-11-28~~

inflation 54

1276 *Stramonium* della

293 Neelgar 1 Leik Marble Quarry

1249 an bacchi Poi 11

2461 *Par. ravenelii* Schum

1216 *P. dichotomum* L. var. *laevigatum*

Principles of Internal Structural Models

1942 *Donchovia* della

1890

- 89 *Pan depauperatum* Muhl. Stems often 4-angled
dry oak woods
- 90 *Pan ovinum* Sol. det. var. *glauca*
more abundant. leaves green or glaucous.
- 91 *P. dichotomum* det. with roots -
large bunches, numerous flower panicles
in summit nodes
- 92 *P. ~~gracile~~ ~~gracile~~* *Pan barbatulum* Muhl.
floral pan. barbed nodes or here
I can not see that they are
different species. Note old
alluvial alluvial
- The nodes I see of this the more I
seem as if it were different from
dichotomum. Possibly the specimens
in reference are not of the same
people color of foliage & color of
a part of the foliage. The coloration may
be it being of my specimen. Usually
my 6-pan. color is greenish.
- 253 *P. ~~gracile~~ ~~gracile~~* *compunctatum* Schult.
alluvial. In the
alluvial plant. Low woods
- 254 *Fistula vulgaris* Muhl. dry woods
- 255 *Pan buxifolium* *ciliatula* H. & C.
Sens. to be *Pan buxifolium* det.
- 256 *Elm. ~~multiflorum~~ ~~multiflorum~~* *P. attenuatum* det.
Pan villosissimum Nash

dry oak woods

73) *Pan ovium* Sol. *delto* *ore* *flor*
more *delto* *ore* *flor*
delto *ore* *flor*

51 *P. dichotomum* ² *gibb* mit Rachen-
Lange knoch., nimmer felsen paus

~~gracilis~~ Pen barbata M.

I can not see that they are different from each other.

The new Doc. of the Un. mov. is

seems as if it were different from
dichotoma. Possibly it should be

in reference to the various points of
people color of skin & country of

A part of the following is the substance of
the basis of my paper, usually,

253 *P. communis* Schult.

254 *Fistula nuda* dry woods
255 *Pan buxifolius cilicollis* N.C.
Sens. to be Pan. in some dist.

25. *Elm. n. l. p. attenti* dell
Pare villosissimum nach

1249 Probably *P. lindheimeri* not at
1250 *Pan. caninusum* Ell
This is the same as the one in
the collection but does not have
the same color, seems to have
the same color.

1258 $\frac{1}{2}$ *Panicum*

1249 *Pan. villosissimum* Nash
This is the same as the one in
the collection but does not have
the same color, seems to have
the same color.

1250 *Pan. xalapense* HBK.

61 *P. angustifolium* Ell ditto, Is. cl.
Large bunch in same place as the
one in the collection but does not have
the same color, seems to have
the same color.

1262 *P. dichotomum* L.

1263 *P. difformis* Schult
Large bunch, mostly brown. In the
same place as the one in the collection.

1264 *Pan. angustifolium* Ell 1261

1265 *P. caninusum* Ell
not at

1266 *P. caninusum* Ell

1267 *Pan. trifolium* Nash ditto same
not at but not in it is 1265 & 1266

1268 *Pan. commutatum* Schult
Poor, low woods, bordering
the swamp. Always somewhat
sprawling from base and strictly
erect.

69 *Pan. angustifolium* Ell
Same as the one in the collection
but not yet in flower. Length 1261

1270 *Pan. polyanthum* Schult

1268

71 *Pan. baccii* Pan

72 *Pan. angustifolium* Ell

73 *Pan. caninusum* Ell 1266

74 *Pan. caninusum* Schult 1265

1274 $\frac{1}{2}$ *P. caninusum* Schult

75 *Pan. villosissimum* Nash

76 *Pan. villosissimum* Nash

77 *Pan. villosissimum* Nash

78 *Pan. villosissimum* Nash

79 *Pan. villosissimum* Nash

80 *Pan. villosissimum* Nash

81 *Pan. villosissimum* Nash

82 *Pan. villosissimum* Nash

- 1250 *P. lanuginosa* Dille not cut
 1251 *P. lanuginosa* Dille not cut
 1252 *P. lanuginosa* Dille not cut
 1253 *P. lanuginosa* Dille not cut
 1254 *P. lanuginosa* Dille not cut
 1255 *P. lanuginosa* Dille not cut
 1256 *P. lanuginosa* Dille not cut
 1257 *P. lanuginosa* Dille not cut
 1258 *P. lanuginosa* Dille not cut
 1259 *P. lanuginosa* Dille not cut
 1260 *P. lanuginosa* Dille not cut
 1261 *P. lanuginosa* Dille not cut
 1262 *P. lanuginosa* Dille not cut
 1263 *P. lanuginosa* Dille not cut
 1264 *P. lanuginosa* Dille not cut
 1265 *P. lanuginosa* Dille not cut
 1266 *P. lanuginosa* Dille not cut
 1267 *P. lanuginosa* Dille not cut
 1268 *P. lanuginosa* Dille not cut
 1269 *P. lanuginosa* Dille not cut
 1270 *P. lanuginosa* Dille not cut
 1271 *P. lanuginosa* Dille not cut
 1272 *P. lanuginosa* Dille not cut
 1273 *P. lanuginosa* Dille not cut

Jackman Miss Apr. 25

- 1274 *P. lanuginosa* Dille not cut
 1275 *P. lanuginosa* Dille not cut
 1276 *P. lanuginosa* Dille not cut
 1277 *P. lanuginosa* Dille not cut
 1278 *P. lanuginosa* Dille not cut
 1279 *P. lanuginosa* Dille not cut
 1280 *P. lanuginosa* Dille not cut
 1281 *P. lanuginosa* Dille not cut
 1282 *P. lanuginosa* Dille not cut
 1283 *P. lanuginosa* Dille not cut
 1284 *P. lanuginosa* Dille not cut
 1285 *P. lanuginosa* Dille not cut
 1286 *P. lanuginosa* Dille not cut
 1287 *P. lanuginosa* Dille not cut
 1288 *P. lanuginosa* Dille not cut
 1289 *P. lanuginosa* Dille not cut
 1290 *P. lanuginosa* Dille not cut
 1291 *P. lanuginosa* Dille not cut
 1292 *P. lanuginosa* Dille not cut
 1293 *P. lanuginosa* Dille not cut
 1294 *P. lanuginosa* Dille not cut
 1295 *P. lanuginosa* Dille not cut
 1296 *P. lanuginosa* Dille not cut
 1297 *P. lanuginosa* Dille not cut
 1298 *P. lanuginosa* Dille not cut
 1299 *P. lanuginosa* Dille not cut
 1300 *P. lanuginosa* Dille not cut

1230

Panicum, *Smilax glabra*
Smilax, *Smilax glabra*
 small *Sparganium*, very
 abundant here

Opelousas - Auburn, Apr. 29

- 1312 *Fragaria virginiana* (det. det.)
 1313 *Aster ellipticus* det.
 1314 *A. repens* do.
 1315 *Poa annua* is *capitata* & *capitata*
 must be do.
 1316 *Panicum verrucosum* along small
 stream
 1317 *Eulalia* along by bank
 1318 *Sparganium* do.
 1319 *Panicum commutatum* Schult. large clump
 near brook of road.
 1320 *Panicum boscii* Poit.
 1320 1/2 " *commutatum*
 1321 *Panicum boscii molle* (Vas) Hitchc.
 1322 *Indigo* plant
 1323 *Panicum boscii* ^{Pearson}
 1324 *Panicum boscii* do.

not
at

1336 1/2 Dauterive

- 1325 *Panicum virginianum* Ashe
 1326 *Panicum boscii* (var.) along by
 1327 *Panicum boscii* ^{Pearson} dry wood
 1328 *Panicum commutatum* Schult. ^{det.}
 1329 *Eulalia*, along by bank in dry woods
 1330 *Panicum boscii* ^{det.}
 1331 *Panicum boscii* ^{det.}
 1332 *Panicum boscii* ^{det.}
 1333 *Panicum boscii* ^{det.}
 1334 *Panicum boscii* ^{det.}
 1335 *Panicum boscii* ^{det.}
 1336 *Panicum boscii* ^{det.}
 1337 *Panicum boscii* ^{det.}

1336 *Arundinaria*. Along small
stream. This grass is dry and
the panicle is the same as
the one above and flowers.

1339 *Pan compositatum* Schult
These pulcherrima forms of *P. com-*
positatum var. *curvatum*. I
think these are the same forms
here are all the same. Woods.

1340 *Pan angustifolium* Ell
Probably 1332.

1341 Slip, dry woods

1342 *Saschamps* in small pond

1343 *Pan barbulatum* Muhl
microcarpum Muhl

Stom. Mt. In May
1344 *Pan baccis* var. *nicolle* (Vas/Hilche)
palustris. Dry woods and dune

of low banks on Mt. Lued. of 1340

1345 *P. chlorostachya* dett. along river. ^{not it}

1346 Slip dett. dry woods

1347 *Gubone* dett.

1348 *Pan compositatum* Schult

curvatum. dett. I think this
is the same place I got spec. last
summer. Culm - culm, spreading
from base - pulcherrima. Flowers
much smaller than *P. com-*
positatum etc.

1349 *P. ashei* a single culm
dett. ^{not it}

1350 *Pan barbulatum* Muhl
~~*glaucostachya*~~. Dry woods
just east of the station beyond
Stom. Mt. about 2 or 3 blocks from the
trail when the woods began.
The soil is dry & stony, sloping
toward the Mt. Woods mixed
pine & oak. Same place where
I got the summer stage. Culm
in large bunches, spreading from
base often widely so culm a blue
green from the purple, lign.

About the culm of *ashei* here.
Looks much like *ashei* but
the leaves narrower. Not in
flower. Found a single culm
with young panicle. Looks
different in habit from *dichotoma*.
I put in some other old specimens
This is matted around base of
plant, flat on the ground & some
decayed sprigs - like some plants in
glades.

1351 *Pan barbulatum* Muhl

On opposite
slope of the river.

Par. dichotomum L

1353 Pan. ashet. ^{Pearls} This is the common
form. Small, sharp, slender
culms. Spreading at base.
This + 1354 have very small
sheath in bud. I have a good
chance to see the middle of the stem
+ the size of the spikelet.

1354 *P. depauperatum* ^{Muhl} Large clumps
diff. in upper space in the woods

1356 Same about P. oval, prostrate
detid. Pan pseudo pubescens Nash

1357 *Poa pseudopubesceus* Nash
on the hill side in grassy
pale much pur. leafy clumps

1357 $\frac{1}{2}$ — *Pan. huachucae albicollis* ~~pro~~
1358 *an tennesseensis* ~~Ashe~~

1859
1860
Groslii Ellipticum, delle
Panz di ~~dispermatum~~^{Makd} fulven form. do.

1861 Pan xalapensis HBK
1862 Pan acrostifolium Ell
buds at base of hair

1363 P. phlegmaria delto notat
1364 Dendroica delto

365 Deschampsia, several words &
one of the -

1346 *E. longi* dett
1305 *Paridulana nervata* dett

1368 P. parkmanni dett not at

Orangeburg S.C. May 2-3
1365 *Pan. albomarginatum* Nash
low pine woods, abundant

1970 *Poa encisifolium* Bald. Forms somewhat
quite extensive mats, the basal
leaves (old) flat on the ground.
Grew in sphagnum bog not far from

1365
1891 *Poa ciliatum* Ell. sphaerocarpa

1922 P. denserker ^{March} something of ch
sark, not yet a flower. low prim wood

Pan. angustifolium Kth

1373 *Pan. angustifolium* Alder Creek
 & leaves flat. New culms erect. Many
 from 1-2 dm. long. Like spec.
 makes panicle with reflexed
 branches. In some spec. the upper
 surface of leaves is glabrous, in
 others it is villous. I think they
 are all the same. from
 a Phragm swamp to but not from
 the woods is *angustifolium*

1374 *Pan. aciculare* Desv
 1375 *Pan. aciculare* Desv
 must be the same - what was called
 this over last summer's collection
 group - about the same place as
 the "beech" of spreading stems. The
 two spec. exhibited one bunch
 Looks more like an *angustifolium*
 group.

1376 *Pan. nitidum* Lam
 1377 *Pan. cryptanthum* Ashe
 long reflexed leaves, low swampy
 ground.

1378 *P. scaberrimum* Ell ditto

Orangeburg 5/2-3 1906

1379 *P. leucifolium* Bald sph. in swamps
 to the same - 1370? Compare

1380 *Pan. pseudopubescent* Nash
 must be *pubescent*. Stems spreading
 like *altatum*. noduli
 sized clump. All culms open
 to the top, along by bank ditto

1381 *P. sphacelatum* Ell ditto
 1382 *P. concavum* Kth This is more
 villous & the lower branch of ch.
 makes panicle an ascending

1383 *Pan. pseudopubescent* Nash

1377 When I got this I thought it
 was *scaberrimum*, but when I
 put it in press I found it
 was different. *Conspicua*
 spread only in one bunch among
 a lot of *scaberrimum*. Clumps
 about the same in appearance
 but purple tinge. What 1378
 is green. Is also culm. Leaves
 mostly reflexed, 1378 only
 occasionally so. Cymes very
 hard closed top. What 1378
 a side open.

See note on
1373 1/2

swampy
ground

nickel Cherry leaves

usurper egg

in the repland woods & along
by bank. The by bank must usually
be considered as the equivalent of
dry land. Culms ascending. Old
culms also ascending in densest
junc. but probably. There is
considerable difference in amount
of pubescence on upper surface
of leaves may be pubescent or
hirsute along the edges or all over

1403 *P. dichotomum* L. Culm. the lower nodes
barbed - culm. has been
observed 1400

1404 *P. aciculare* Desv. This is very
common in the low parts of
the species with involucre old
leaves that I have seen as much
in dry lands.

1405 *Pan. angustifolium* Bald

1406 *Pan. ashei* Pears. Culm. a few culms from
a low marsh of 100 or more
ft. and ascending

1407 This must be *P. ashei* also but
Culms short & leaves small culm
Pan. ashei Pears

Orangeburg May 2-3

1408 The *Pan. angustifolium* Ell. *P. angustifol*
is described in 1833 & 34
common in the marsh. I don't see it
yet here.

1409 Description. Open swampy ground
south of above.

1410 *P. aliposacitum* Schult. Dry hill side
near 1408. Leaves much. This
does not look like the form along
the Gulf coast that I have called
aliposacitum. That has 1-2 regular
toplets (all obovate) in each node.
But I suppose this must be *aliposacitum*.
P. pauciflorum is also present in
area.

1411 *Pan. microcarpum* Michx. Culm. culms
from different clumps, used
1409

1412 *Pan. baccii* Poir. Rich woods
along swamps far south.

1413 *P. commutatum* Schult. I got
spec. from the same place
last summer. I am very
certain that it had long
basal leaves.

1436 $\frac{1}{2}$ *Pan unifolium* Bald

- to be sent so much later. In canal
since along Pan. ^{near river} ⁱⁿ ^{corium}
1837 *Pan pseudopubescent* Nash
1838 *P. leucostachya* Muhlbg. ^{along}
1839 *Pan unifolium* Bald 1830 sent
it has long spike culms erect sparsely
1440 *Tropis aequalis* of *crispifolia* *Pan* ^{sub}
marginatum ^{Nash} ^{near} ⁱⁿ ^{sent} ^{along} ^{Pan}
1441 *P.* ^{along} ^{ditch} ⁱⁿ ^{Magnolia} ^{swamp}
^{not at} ^{Yll} ^{Station}
1442 *P. lucidum* ^{ash} ^{ditch} ^{sample}
is collected last summer. Very
large, slender. Culms decumbent, dry
soft. on edge of ditch near
ditch.
1443 *P. subarcticum* ^{swamp} ^{not at}
1444 *P. unifolium* ^{swamp} ["] ["]
1445 *P.* ^{near} ^{ground} ^{very} ^{abundant}
1446 *P. barbulatum* ^{swamp} ["] ["]
1447 *Pan aciculare* ^{very} ^{apparently} ^{rather} ^{dry}
^{ground} ^{very} ^{abundant} ^{large}
^{clumps} ^{old} ^{culms} ^{decumbent} ^a
^{dense} ^{masses}
1448 *P.* ^{thick} ⁱⁿ ^{open} ^{ground}

Washington DC
May 4

- 1837 *Pan Cerisarpium* ^{Koch} ^{along} ^{R.}
Villages - ^{d.} ^{culms} ^{flat} ^{low}
Pan ^{branches} ^{caerulea}
1840 *Pan strigosum* ^{Muhlbg} ^{along} ^{R.} ^{near} ^{d.} ^{Shannon}
1841 *Pan ciliatum* ^{Ell} ^{ditch}
1842 *P.* ^{intermedium} ^{ditch}
1843 *P.* ^{ditch}
1844 *P.* ^{ditch}
1845 *Pan* ^{niattamuck} ^{swamp} ^{not} ^{at}
^{near} ^{large} ^{culms} ^{decumbent} ^{to} ^{leaves}
1456 *Pan* ^{near} ^{large} ^{culms} ^{decumbent} ^{to} ^{leaves}
1847 *Pan* ^{obovate} ^{Schult} ^{ditch} ^{after}
^{very} ^{large} ^{culms} ^{decumbent} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}
1848 *P.* ^{commutata} ^{Schult} ^{ditch} ^{erect}
1849 *P.* ^{obovate} ^{Schult} ^{ditch} ^{erect}
^{along} ^{ditch} ^{erect} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}
1850 *P.* ^{obovate} ^{Schult} ^{ditch} ^{erect}
^{along} ^{ditch} ^{erect} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}
1851 *Pan* ^{obovate} ^{Schult} ^{ditch} ^{erect}
^{along} ^{ditch} ^{erect} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}
1852 *Pan* ^{obovate} ^{Schult} ^{ditch} ^{erect}
^{along} ^{ditch} ^{erect} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}
1853 *Pan* ^{obovate} ^{Schult} ^{ditch} ^{erect}
^{along} ^{ditch} ^{erect} ^{to} ^{leaves}
^{decumbent} ^{to} ^{leaves} ^{along} ^{ditch}

1466 1/2 *Pan angustifolium* Ell

1861 *Spec. in lower river* not at

1865 This looks like *P. montabile* Ell
only one seen on oak trees

1866 A lot of these like previous
name *Pan lancearium* Trin

1867 *Pan tenuis* Muhl

1868 *Pan angustifolium* Ell
This appears to be *brunneum* Muhl
1869 is also *Chrys. det.*

1869 *Pan cryptanthum* Ashe
Swampy place - of this lucid
not a glaucous long old culms

1870 This seems *Pan lucidum* Ashe, much
smaller & weaker, det.

1871 Such a nice big bunch *Pan consanguinea*
through swampy place. det.

1872 *Pan. pubescens* Nash
Very stiff coarse culms but it
seems to be previously collected. Along

1873 *Maline. Pan. pub. setacea*
Pan. *acicularis* Desv.
seems that the lower branches are
reflexed & spreading.

1874 *Pan pseudo-pubescent* Nash
Swampy place with upper branches
of culms - Pan.

1875 *Pan angustifolium* Ell
old leaves with all culms erect
lower branches small, reflexed, rather dry
Pan.

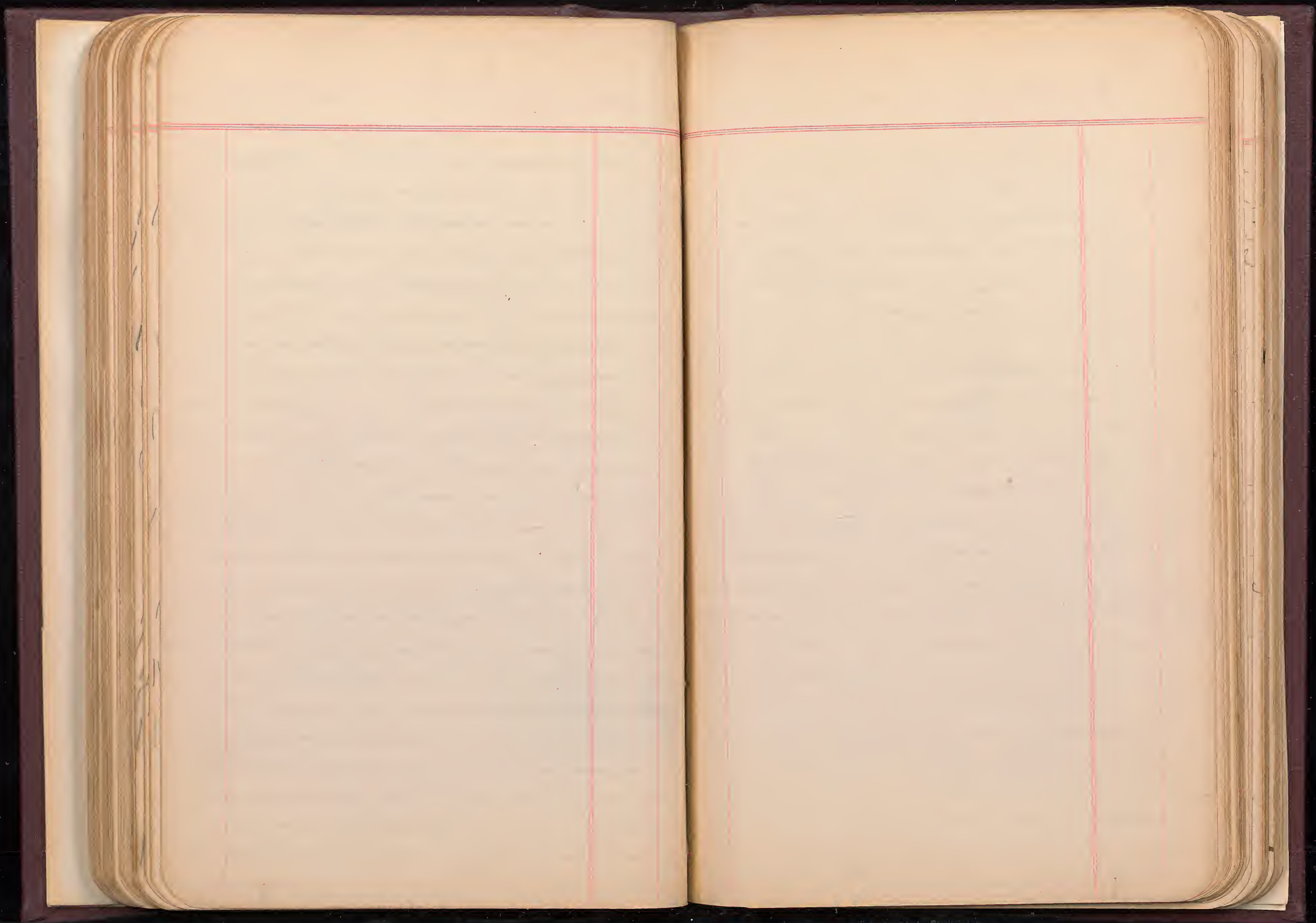
1876 *Pan pseudo-pubescent* Nash
More abundant. It occurs here in culms
are curved at base more slender, like
atlanticus Nash, not very dense. Old
culms appear to be erect or nearly so.
leaves of new culms erect & ascending
after rather appressed, not spreading &
growing as in atlanticus. The
lower and upper surfaces are very
slightly dehiscent but stiff, probably 5 mm
long. Culms 1/2 in diameter by
over it whole surface. Culms of plants
differ from those of atlanticus in
very purple green here, though
the panicle may be purplish but not
strongly so.

1877 *Pan pauciciliatum* Ashe
atlanticum Nash in old and culms
A pond in open place in pine woods,
culms a yellowish white. det.
not very much like *P. lucidum*
1878, & the lots of 1875, but in both
young culms from 1877. very abundant
not at

1878 *Pan pauciciliatum* Ashe
in above (1875) slender
1879 This appears to be different from
1874 in lower culms erect & appressed
not at

- I think has short tub. grow
 in the open grass.
- 1881 *P. lucidum* is it occurs in
 not swampy. very long delicate stems
 cit creeping up through the vegetation
 but a large bunch.
- 1882 *P. apiculatum* Ashe
~~*P. apiculatum*~~ along by, quite deep
 bunches, solid culms, very numerous
 decumbent around the edges.
- 1883 *Pan. chaumaeclanche* Trin
 boldwood - dry oak open woods
 near Greenville where I found so many
 thin but firm - *Pancusculi* fr.
- 1884 *Pan. pseudopubescent* Nash
 over the hill but seen where it
 plant is growing, usually it all
 culms are flat like *attenuatum*.
- 1885 *Pan. pseudopubescent* Nash
 Is the commonest, dense culms
 erect spreading, solid culms, upright.
- 1886 *Pan. caucasicum* Trin
P. m. h. h. h. all culms flat at the
 base, bunches, dense.
- 1887 *Pan. paniculatum* Ashe
 all culms flat on ground
 at first side of temple spread at center. This
 is the thing which the people are growing
 in considerable bunches when young
 thick with grass around a small
 old culms, an end

- 1888 *Pan. chaumaeclanche* Trin
 boldwood looking natural
- 1889 *P. paniculatum* S.M. dense
- 1890 *P. citiatum* Ed. dense with flat bunch.



III
A. S. Hitchcock
Dept Agriculture
Washington
D.C.

1906

Chesapeake Beach June 23

1600 Festuca nigra, sandy soil
along marsh near beach, 1/2 mi W.
station

1601 Lactuca perfoliata, Woods near beach

1602 Bromus hordeaceus glaberrimus
along roadside

1603 Pan. lindheimeri Nash

Woods near beach

1604 Pan. latifolium, upland wood

1605 Pan. inflatum, upland woods, culms
sprouting June 24

1606 Pan. variegatum, slope in woods
near ditch. microcarpum Muhl

1607 P. sphaerocarpon Ell. det. Culm

many prostr.

1608 Pan. villosissimum Nash
along by track

25 miles from C. Junction

1609 P. polyantha Schult. det. with very
large ligules

1610 P. dichot. det. not at

1611 Pan. microcarpum along clump
one culm not dark stippled
seems to have same det.

1612 Pan. albertianus Schult. det. clumps
along R.R. with atlantic

Oranpensse but quite distinct
culms ascending - not prostrate

1613 *Panicum lanuginosum* Ell
Culms widely spreading - ascending
at end

1614 *Festuca acutiflora* Lx
hills ditto

1615 *P. sphaerocarpan* Ell
clans, being sparsely culms

1616 *Panicum sphaerocarpan* Ell
erect culms, but does not bear a
head like some of the
inflated of July 1880 of the same
also I think

1617 *Panicum addisonii* Nash
culms sparsely pubescent
leaves long, sparse, widely
sc. Culms spreading, both stiff

1618 *Panicum sphaerocarpan inflatum* (S.P.) Hitchc
much like the
along ditch at Livingston

1619 *Panicum villosissimum* Nash
abundant? but leaves
not very thick above: ditto
of AC River side

1620 *Chusquea rubra* dith
hyrachucac silvicola H.C.

1621 *Panicum* *lindeheimeri* Nash

1622 *Panicum villosissimum* Nash

1623 *Panicum hyrachucac silvicola* H.C.

1624 *Panicum*

1625 *Panicum* *commutatum* along R.

1626 *Panicum* *speciosum* Ell

from Livingston Creek 20 miles limit

1627 *Panicum villosissimum* Nash

1628 *Panicum albertense* Ashe

1629 *Panicum meridionale* Ashe

1630 *Panicum hyrachucac silvicola* H.C.

1631 *Panicum villosissimum* Nash

1632 *Panicum* *principale* Ell

1633 *Festuca*

1634 *Panicum* *notit*

1635 *Panicum villosissimum* Nash

1636 *Panicum meridionale* Ashe

1637 *Panicum scoparium* Lx

1638 *Panicum lanuginosum* Ell

1639 *Panicum sphaerocarpan* Ell

1640 *Panicum* *ashii* Pear

barbulatum Mx

- 1641 *Poa* ~~glaucalis~~ *glaucalis* H. & C. little
 1642 *P. lauripennis* very fuzzy but
 not orange, culm yellow in panicle
 not velvet as in *brunneus*
 1643 *Poa villosissima* Nash
 in woods - *ligusticumbentis* at
 Brown's
 1644 *Poa villosissima* Nash
 probably the same thing out in
 the open along R. near by
 1645 *Chloris imberbis* along by sea of 7

Colorado - Pike's Peak July 9

- 1646 *Poa longipedunculata*, open
 gravelly ground Halfway near camp.
 small bunch mostly of one glaucous
 culm & a few immature. These little
 bunches are connected by rootlets
 as much as 10 cm long. Culms
 erect Pan. narrow Culm purplish
 Pan. tawny white Mass of bunch
 white or tawny not purple. Leaves
 conduplicate. Tawny culm smooth

- 1647 *P. nevadensis* ditto nearer the stream
 small bunches about 2 ft culms.
 Rootlets slender 2-3 cm long, as spec.
 above. In at first conduplicate, becoming
 flat, rather thick somewhat glaucous.
 Pan. stiff, nearly erect. Base of culm
 light, not purple. Lower portion of
 bunch rough to the touch upwards, culm
 smooth below, rough below panicle
 downwards. Pan. tawny white narrow
 1648 *Poa nevadensis* - ditto.
 Culm 1 spec. the rootlets observed
 base of bunch light, smooth, culm
 smooth below, rough downwards
 below panicle. Pan. more open
 than preceding. Tawny white
 Leaves narrow & remaining folded
 1649 *Deschampsia caespitosa*, along
 stream above Minchaha. A large clump
 with erect culms & culms. Color rather
 light green
 1650 *Poa* - open gravelly soil near
 camp at Halfway. Culm erect.
 Rootlets slender, color light green.
 Leaves flat.

1651 Poa — same locality as 1650 but appears to be different. Leaves broader, upper larger. Its flat. Note the broad flat upper leaf.

1652 Poa — near the preceding in a low place. Plant larger than 1651 & upper leaf conduplicate. Part of lower leaves flat & part conduplicate.

1653 Poa — gravelly hill near camp. rootstocks short. Leaves folded. Pan narrow & sp. pink.

1654 Poa — ditch near camp. Looks like *P. pratensis* but has no rootstocks. Leaves flat.

1655 Poa — appears to be the same as 1656 but larger.

1656 Poa — Gravelly soil near camp.

July 10 Bush no rootstocks. Culms blue green. Culms stem erect & slender stiff.

1657 Poa laevipedunculata usually soil above half way. Very different from any other Poa I have seen here.

1658 Poa — ditto. Bushy pan. No rootstocks. Pan simple & more or less similar to *Poa* canadensis.

looks much like another species growing much at which has slender rootstocks but some of this yesterday.

1659 Poa — along track between rocks. brush no rootstocks.

1660 Poa — New group. among rocks along side of mt. rootstocks present.

1661 Poa — Gravelly soil same as 1655. short rootstocks.

1662 Poa — ditto

1663 Poa — ditto

1664 *Aristida humilis* ditto

1665 *Festuca* — ditto. glaucous.

1666 *Phalaris amurensis* along edge road embankment

1667 *Phalaris alpinus*. meadow above half way

1668 Poa — along edge road embankment. brush

1669 *Trisetum* — gravelly meadow. seems larger & basal leaves longer than 1665. not glaucous.

1670 *Trisetum subspicatum* along stream

1671 *Sarrhena* ditto

1672 Poa. *hemisphaerica*? along edge road

1673 Poa. — Gravelly meadow above half way. Two kinds flat partly folded upper leaf - rootstocks - black nodes.

4677 Pan no 1 = *brachycephala*
common. light green pan. many leaves
which are small. Very long pedicel
rough below pan. upper black very
short.

4678 Pan no 3. Common in the meadows
upper woods, no rootlets, stem
scaly below pan. upper leaf
long & spreading. Pan. oblong, lower
which consists of 2 branches but very
very few 1-5 branches arising
in a rather stiffly spreading. In the
spec. which lay over the upper leaf
parting in the upper leaf appears
to be erect. The size may vary from
a few inches to 2 ft or more. It
pans from narrow & short to open
like foliage but the branches are
no drooping - in that spec.

4679 Pan no 2 - ditto common just
as variable in size. Rootlets present
Pan more oval or pyriform, the branches
more drooping. lower which consists
about 5 but may be more or less
other somewhat below pan. upper leaf

broad & short partly folded & strongly
appressed to stem, the point usually
incurved past one side of stem.
The spec. put on fresh & newly
erect spec. I have others with
rootlets under other numbers.

4677 *Ruellia cristata* just coming
out. very common. Meadows &c

4678 *Deschampsia cespitosa*, an open
place in a meadow. This is probably
the same as the same in the lower
pan common along stream.

Pan no 5 (no 1653) has short rootlets
narrow pedicel pan. Culm below pan. &
pan branches scabrous, lower pan 2-3
short & appressed. upper leaf short &
appressed.

July 12 between Hopewell & Mt. Vernon.
4679 *Coccoloba americana* ^{Scrub} meadow hillside.

4680 Different from it common one which
is the same as a previous number.

4681 Pan no 1. This was in another
& looks different from the later spec.
The lower branches of pan. are spreading
ascending. ———— coming it a

Halfway to Mt View

- near upper upper end in ferns
they have closed involucres
- 4682 Calamagrostis - a dense bunch
on meadow hillside.
- 4683 Poa No 5 Dense bunch on meadow
hillside among rocks. Pan very open
& spreading. Leaves erect. Color green
green, partly folded.
- 4684 Elymus tuberosus. Bunches on meadow
hillside.
- 4685 Alopecurus. ditto. No. 1 Bunch
flat top. Bunch. Panicle green, scarcely
awned. Spike thick & purplish. Spike
closely overlapping. meadow hillside
- 4686 Alopecurus No 2. Bunch. In meadow
steep. Awn longer than spike. ditto
- 4687 Alopecurus No 3. Bunch. In dark
gray flat, broad. Spike multicausal awn
as long as spike or longer. ditto
- 4688 Bromus No 1. Along the road.
Shrubs & woods around. Panicle different
drooping even in bud. Bunch. Low
tufts
- 4689 Bromus No 2. Short rootlets.

- Pan erect. Nodes pubescent & shrub
above & retrose, panicle sometimes to top
of plant above.
- 4690 Bromus No 3 Very low dense No 2
Will have more. Is sterile &
quite densely pubescent and a sheath.
- 4691 Bromus No 4. Rootlets. Nodes obscure
retrose, pubescent. Pan with shrub
bunches & more a low drooping
more slender than No 2.
- 4692 Koeleria. Large bunch on wet
at corner above transition.
too entire probably
- 4693 Apera. Repens. A single bunch
on a wet in corner above transition.
- 4694 Alopecurus No 4, probably tenax.
Bunch shrub spike broad glumes
awned. Road to Garden of Gods
- 4695 Stipa viridula. A few 1-2 spike culms
in a bunch. ditto
- 4696 Bromus No 5. Bunch, soft pubescent
shrubs. Large drooping panicle ditto
- 4697 Alopecurus No 5 = accidental. rootlets
plus flat, glaucous ditto

- 1658 *Hordeum* (probably? but *Speltis* seen
 has slender. along ditch *deltis*
 1662 *Stipa cornuta* *deltis*. on high mountain
 1700 *Stipa* *deltis*
 1701 *Proserpinaca* *deltis*
 1702 *Cyperus*, probably *tenax*
 1703 *Stipa* *dry* and *glauca* of *glauca*
 1704 *Silene* *deltis*
 1705 *Silene* *deltis* *glauca*
 1706 *Silene* *deltis* *marginata* *glauca* *abundant*
is not glauca
 1707 *Sporobolus* *crispus* *deltis*
 1708 *Silene* *dry* *grassy* *deltis*
 1709 *Stipa* *dry* *grassy* *marginata* *glauca* *abundant*
more slender *spike* *1705*
 1710 *Cyperus* *minimus* *shady* *place* *near* *deltis*
 1711 *Elymus* *low* *place* *deltis*
 1712 *Elymus* *dry* *grassy* *deltis*
 1713 *Silene* *deltis*
 1714 *Bromus* *shady* *deltis* *deltis*
 1715 *Muhlenbergia* *quadrifida* *dry* *grassy* *deltis*
 1716 *Yucca* *along* *bank* *of* *dry* *grassy* *abundant*
mountain
 1717 *Poa* *shady* *deltis* *in* *rich* *wood*
seen *just* *in* *glauca* *of* *any* *in* *deltis*

- 1712 *suspect* *that* *both* *are* *Poa* *no* *3*
Brom. Polaris *aspen* *woods*
above *camp*. *Poa* *drooping*,
+ more *slender* *than* *the* *other*
species
 1715 *Helium* *subsp. calycin* *near* *summit*
glauca *some* *rosette*
 1717 *Calamagrostis* *in* *canon* *on*
grassy *rich* *flora*. *deltis* *July*
 1720 *Bromus* *Polaris* *rich* *abundant* *July*
dry *above* *water* *works*
Poa *very* *drooping*.
 1723 *A. pop.* *rich* *abundant* *near* *summit*
grassy *rich* *near* *summit*
 1724 *Poa* *no* *3* *near* *summit*
 1725 *Abies* *rich* *abundant* *near* *summit*
rich *abundant* *near* *summit*
 1726 *Poa* *no* *6*. *Laevigata* *poor*? *Branch*
glauca *green* *but* *not* *much* *glauca*
is *flat*. *rich* *abundant* *near* *summit*
rich *abundant* *near* *summit*
rich *abundant* *near* *summit*
 1727 *Poa* *no* *2*. *Rich* *abundant* *near* *summit*
rich *abundant* *near* *summit*
 1728 *Poa* *no* *2* *deltis* *low* *small* *plants*

- growing together
- 1725 *Poa* *brevis*? ditto, bunches
 pericarp at base
- 1730 *Avena americana* *Scrub*
 ditto bunches
- 1731 *Atriplex canescens* ditto *Bunch*
- 1732 *Atriplex* *multicaulis* - several, some
 ditto bunches
- 1733 *Festuca* - *brachyphylla* *hillside*
 above L. Morain
- 1734 *Poa* - Some other spec. are *glauca*
 & *affinis* to *P. glauca* but I think
 they are all forms of *Poa* no 3
hillside above L. Morain
- 1735 *Diachasma* probably *crispifolia*, or
gracilis var. at 7 lakes
- 1736 *Poa* no 2 ditto
- 1737 *Festuca* - ditto
- 1738 *Festuca* ditto somewhat *lanceolata* & *multicaulis*
 open parkland. Jan 1737
- 1739 Apparently *Poa* no 3 somewhat *glauca*
longicaulis ditto
- 1740 *Elymus*? One or two culms. Seven ribs, not
 common. On sand slope at 3rd lake from
- 1741 *Trisetum subspicatum* Seven ribs
 Shells dark purple *gracilis*

- 1742 *Poa* no 3 ditto
- 1743 = 1740 *Poa* *brevis* near L. Morain.
 Culms slender & bending with weight
 of spike. Spike purple long
hillside. Ls flat July 15
- 1744 *Calamagrostis purpurea*
 mountain side above camp.
 It is not *sericea* in *montana*
- 1745 *Bromus* (*lanceolatus*?) moist ground
 near highway house
- 1746 *Calamagrostis canadensis*
 ditto
- 1747 *Trisetum* - ditto July 17
- 1748 *Trisetum*? *multicaulis* on sand
Bohannon July 18
- 1749 *Atriplex* *Richardsonii*, on sand
Bohannon Pat
- 1750 *Muhlenbergia* - high in steep soil
 ditto
- 1751 *Bromus* *Porteri* near Lake Canoe
 in *moor* meadows. July 19
- 1752 *Phleum alpinum* - the large spec.
 above Lake Canoe - wet sand
- 1753 $\frac{1}{2}$ *Poa*

✓753 *Agropyron canyoni*. I believe
these are all the same species
some are long armed (cuneiform) some
are short armed or annular (anuliform)
some are long armed some are
(Richardsoni) they grow in mixed
in some kind of soil, same habit, same
flowering period, only differ in
so far as I can see now, after
dry soil.

✓754 *Elymus* (Setaria). Along Cog road
above Halfway.

✓755 *Hordeum* ditto

✓756 *Agrostis brevis*, ditto (near)

✓757 *Brachyotum* ditto

✓758 *Elymus villosus* (ambiguus?) ditto

✓759 *Poa* - probably *unipendula*, above
Humboldt. July 20.

✓760 *Poa* seen in No 3 about 12500

✓761 *Festuca* - highly phylla ditto

✓762 *Poa* - seen in No 2 ditto

✓763 *Pilosus* Rude about 12500

✓764 *Deschampsia* "

✓765 *Deschampsia* "

✓766 "

✓767 *Poa* No 2 Below timber line very
wet, in ground along bank

✓768 *Calamagrostis Canadensis* July 22
Along Ruxton Creek below Halfway

✓769 *Poa* - along creek at R. G. Depot
~~Richardsoni~~ July 23

✓770 *Agropyron* ditto

✓771 *Bouteloua* ditto

✓772 *Agropyron* ditto

✓773 *Elymus* ditto. Brind. Br. ds
somewhat nodding, brown green

✓774 *Elymus* ditto. Brind. Br. ds

Stipa - Brind. Br. ds

✓775 *Stipa*. A small spec. growing
among the leaves. A sample of the
larger is included for comparison

This large form I call *Stipa* - sample of
both. It is very common on the
mountains & it has the same habit as the
small form. The small form is the same
species & there are all great changes

Panicum. Brind. Br. ds. Panic
very open & branches drooping but
panic itself mostly erect

✓776 *Panicum*. Brind. Br. ds. Panic
very open & branches drooping but
panic itself mostly erect

✓777 *Panicum*. Brind. Br. ds. Panic
very open & branches drooping but
panic itself mostly erect

✓778 *Panicum*. Brind. Br. ds. Panic
very open & branches drooping but
panic itself mostly erect

✓ 777 *Elymus glaucus* from wood and
spike. The spikes are scarcely nodding.
I think the glaucus form is the same -
the green form I can see difference except
glaucousness. ditto

✓ 778 *Stipa comata* a rather small
young pan. included it has a small
dotted

✓ 779 *Andropogon furcatus* ditto small bunch

✓ 780 Seems to be the same but has much
upright, stronger & longer culms ditto

✓ 781 *Andropogon furcatus*? ditto. Spikes
much pan of thick shoot. ditto

✓ 782 *Bromus* - large spike, ditto

✓ 783 Same as 777 but slender
spike & tall stem. Spike is more from
but more slender spike. ditto

✓ 784 *Scleria*. Sterile hillish mountain

✓ 785 " " " " "

✓ 786 *Andropogon furcatus* - Single
dry hill or moist place along bottom
of canon

✓ 787 *Andropogon* - Bunches on a hill
hills.

✓ 788 *Stipa* - ditto.

✓ 789 *Andropogon* - slender spikes

✓ 790 *Sporobolus cryptandrus*. Large
hill form but almost
included panicle

✓ 791 ditto but with a large spreading
nearly exserted panicle - great.

✓ 792 *Bromus racemosus* - root shoots
stems hills.

✓ 793 *Eriocoma cespitosa*. Bunch
along side of canon near bottom

✓ 794 *Bromus* - Bunch drooping
panicle. along canon near
bottom.

✓ 795 *Andropogon* - (paniculatus group)
Slender hills. - not coming within

✓ 796 *Elymus* (bicolor group). Short soil.

✓ 797 *Elymus* (glaucus form) Large
culms, one has a loose &
more open panicle than usual.

I think this is different
from the green form (I have seen
judicious green above)
Panicle long & slender
slender proportionately

Elymus robustus

778 *Elymus* the same form as the single
Culm was gathered along side the
large dense Culm of 1797. A more
difference. The two sometimes grow
together but usually separate.

779 Small specimens of Green *Elymus*
as above. Along canals & wet
moist soil.

780 *Clats* Along Pry. Around.

781 *Morus* - Butte of canon in
moist soil.

782 *Muhlenbergia?* Shrub. soil.

783 ditto.

784

785 *Elymus*

786 *Agropyron* Mountain

- 778 Elymus The glen near the bank
 Culm was gathered along with the
 large dense culm of 1797. A short
 difference. The two sometimes grow
 together but usually separate.
 779 Small specimens of Green Elymus
 as above. Along canals & wet
 moist soil.
 780 Clats along Bay. Around
 781 Pines - Bottom of canon in
 moist soil.
 782 Muhlenbergia? Stems. Soil.
 783 ditto.
 784
 785 Elymus
 786 Agropyron Mantua

Salt Lake City July 26

- 1807 *Bromus unispinus*. Dry Sand.
1808 *Selamion* delta
✓ 1819 *Bromus tectorum* very abundant in
the dry hills roadsides &c. now much
mature brown.
1820 *Hordeum* delta in similar places

✓ 5006 *Selaginella* delto

- ✓ 187 Browns Tecton very abundant in
the dry hills roadsides &c. now much
mature brown.
- ✓ 188 Gordon delta in small places

- 611 Agropyron - Erect, glaucous, bunch
has flat or rather soft common
in the hills, and in fl. capes.
- 612 Agropyron - Bright green but
dense, glaucous, bunch but forming
short rootlets 1-3 inch, erect.
has ^{flat or} more or less undulate ^{and} common
in the hills. (Some becoming inflexed after
collection.)
- 613 Bromus - Common along road
1809.
- 614 Silene along road side, dry soil
- 615 Bromus same local as 1809
common
- 616 Bromus hordeaceus - ditto
- 617 Hordeum dry soil, ditto
- 618 Elymus - capre
- 619 ditto but spikes seem longer
denser, probably same.
- 620 Atriplex alb. moist soil along
creek.
- 621 Bromus bizaefornis same local
as 1809 but much less common
abundant.
- 622 Agropyron probably same as 1811
but awns longer than Anoplotherus ^{same has}

- 8/2 *Agropyron*. - Light green, low
dense, glaucous, Branches jointed
short, root thick 1-3 inches, erect,
has ^{flat or} sparse or low ^{and} imbricate, green
and bulbs. (Some becoming imbricate after
dormancy.)

- 113 Bones — Common along road
1850s.

- 815 *Silene* along road side, dry soil
Brown same local as 1809

- 816 Common Bromus hordeaceus - ditto

- 7 Hordern dry soil, dists
6 Elymus ——— cupre

- pl. 5. Lith. but spls seem longest
knew. probably same.

- 820 Apple's alb. most soil along
creek.

- 1821 *Barnes bigayana* - same well
→ 1808 but female not the same

- 1622 *Abies* *Abies* *Abies* 181

- but also longer and more complex

1823 Agrop. occidentalis, along bank
of stream. Very blue flowers
1824 1807

1825 Agrop. Tenaxum. hills common
along rippling canon. In higher canon
hills 1811 but stems of 1811 are
very poor. 1811 from margin of
canyon along the stream where it
is abundant.

1826 Fescue - on hillsides, dry
1827 Poa - dry hillsides. Now it is
all dry - if dried. Indurata, a
perennial. Could find none but
dead looking.

1828 Agrop. spic (dimerous) tenuifolia,
this form seems mixed with the
common form & is not a good variety
dry hillsides.

1829 Agrop. spic. inermis. (green)
mixed with the common form & is
a good variety. dry hillsides.

1830 Fescue confinis? Dry hillsides
has no fl. Large heads, flat
plat.

1831 Poa - Dry hillsides. Color
Blue green. Lvs closely confluent
& curved. Bud but erect rootlets.

Pocahontas Id. July 27

1832 Sitarion. Dry ground in valley
common.

1833 Poa - (Bridgman's group)
common on the hills. Now it is
dry & brown like 1827

1834 Poa - probably same as 1833,
grows in same place mixed with
it. So a little common but unlike
it is the same.

1835 Stipa comata. Dry hills. Also
small dimerous. Common.

1836 Agrop. occidentalis on the dis-
sect. Common on dry hills.

1837 Eriogonum cespitosum, common
dry hills

1838 Sporobolus - Dry hills

1839 Poa - along ditch

1840 Poa. Crisp. with a leafy ditch

1841 A rest, also all

1842

1843

Alfalfa leaves - 1/2 inch long
at top, leaves as at grass
on dry ground. In bunches
of 10-15 leaves. Green color
Remember Alfalfa seed, leave
it in 5 inch green of spring
by root sticks.

1844

Elymus canadensis - dry grass
but better suited along by
the river. 3-5 feet
Leaves flat & lobes green green.

1845

Very small bunches long
grasses

1846

Calamagrostis - bunches along river

1847

Calamagrostis - dill

1848

Calamagrostis - dill

1849

Calamagrostis - dill

1850

Calamagrostis - dill

1851

Calamagrostis - dill

1852

Calamagrostis - dill

1853

Calamagrostis - dill

1854

Calamagrostis - dill

1855

Calamagrostis - dill

1856

Calamagrostis - dill

1857

Calamagrostis - dill

1858

Calamagrostis - dill

1859

Calamagrostis - dill

1860

Calamagrostis - dill

Yellow-brown - Wiley Station
Woods - 1/2 inch long
1843 - 1/2 inch long
1844 - 1/2 inch long
1845 - 1/2 inch long
1846 - 1/2 inch long
1847 - 1/2 inch long
1848 - 1/2 inch long
1849 - 1/2 inch long
1850 - 1/2 inch long
1851 - 1/2 inch long
1852 - 1/2 inch long
1853 - 1/2 inch long
1854 - 1/2 inch long
1855 - 1/2 inch long
1856 - 1/2 inch long
1857 - 1/2 inch long
1858 - 1/2 inch long
1859 - 1/2 inch long
1860 - 1/2 inch long

Notes

1851

Panicum - dill. Multistate
red, has folded, near spring
but not that ground.

1852

Panicum - dill. Multistate

1853

Panicum (multistate) dill. Cules 1-3

short thick, multistate and bulbs
of some flowers, bulbs very prominent
has flat.

1854

Panicum - dill. Cules 1-3

has flat (saff)

1855

Calamagrostis - dill. Cules 1-3

water level high, would be covered
dill. Cules 1-3 - multistate - has flat

1856

Poa - dill - root sticks Blue

green - narrow - has flat.

Woods along side road

1857

Silene - Dry ground along road

1858

Poa - dill - after woods

1859

Poa - has folded. In wet, silene

Poa - narrow somewhat purple

root sticks - clay bank along road

1860

Poa - dill. River just above

Gibber Falls. Extends upstream & apparently

continually so. in a strong current.

Norris

1861. *Asper. lucorum* - ~~Open~~ wet woods
along Indian River near Early
East, Mich. Dross greenish fls.
- 1862 *Calamagrostis canadensis* - low
ground along river
- 1863 *Asper. lucorum* - along river
in common and form
- 1864 *Poa* - low ground in woods
along river
- 1865 *Saxifraga* - ditto
- 1866 *Trisetum* - ditto
- 1867 *Poa* - *Secur. 2* number 3
very *Poa* No 3. Brachy, rough
cut in 2. Low like grassy wood
ground. Small spiky grass, clump of
webs nearby. ditto
- 1868 *Saxifraga* - ditto, very in same
as 1865 - but in clumps.
- 1869 *Panicum* - in wet along
bank of river. Upper leaf long
broad. has flat, color like
green.
- 1870 *Asper.* - dry upland pine woods
- 1871 *Asper. lucorum* - in common
down in upland woods

Norris

- 1872 *Trisetum subspicatum* - common in
upland, dry woods. In form near
to *Trisetum* but taller, more
slender than the *Calamagrostis* form which
was pubescent
- 1873 *Trisetum* - ditto
- 1874 *Trisetum* - much ditto Purple
stem & green leaves
- 1875 *Silene* - common ditto
often like *Trisetum*, somewhat
glaucescens. Spikes slender like
a *Trisetum* *reticulata*, leaves
flat or a little somewhat revolute
at edges. plant green above &
green green below
- 1876 *Poa* - much like *Poa*
name somewhat nodding, ditto
- 1877 *Poa* - ditto. Both spike seen
in same place. *Trisetum* is
easier than *Trisetum*. Both seen in
just one spot.
- 1878 *Poa* - ditto. *Secur. 2* like
relation of *Poa* No 2
- 1879 *Asper.* - ditto. *Secur. 2* like
below

Norris

- 1860 Elymus - ditto dry bank
no water here
- 1881 Festuca probably the same 1879
wet ground along river
- 1882 Hordeum - ditto stream
bed
- 1883 A. p. - appears to be
A. hiemalis common along
river
- 1884 Lactuca - pubescent along
river
- 1885 Puccinellia - along river in
alkaline soil
- 1885 Trisetum - along river pubescent
- 1886 Spartina - alkaline soil
along river
- 1887 A. p. - scarce along river
moist soil
- 1888 Bromus - along river in moist
soil. Pan. nearly wet probably
the same as 1886
- 1889 Deschampsia - probably the same
growing in shady moist place
near river. ordinary grass growing
in open along river. This has a

Norris

- more slender & delicate panicle
- 1890 Poa - alkaline soil along river
seems different from any I have seen
has folded water flaky
- 1891 Poa - probably same as found
along Indian falls - 1867. The single
spike (1891 1/2) and light spikes (leaves) is
put in for comparison. This latter
is different. I have earlier
observed larger spikes
- 1892 A. p. - These different kinds
appear all in the same. Along
river in moist soil. Many in
bunch of same & some one in bunch
- 1893 Puccinellia - near along river bank
different from the broad leaf one
- 1894 Poa - along river bank but not in
very wet soil. Seems like the 2
with water
- 1895 Chrysopsis - dry open woods
9th Nov
- 1896 Trisetum ditto larger leaves
than that collected before
- 1897 Danthonia ditto

Norris

- 1898 *Poa* *delt.* narrow
 umbellate panicle, purplish black
 drooping stem, few leaves
 cluster at base. *delt.*, grows
 with the leaves. Spk from gaster
 inflex.
- 1899 *Agrostis* - very in *delicacissima*
 but seems to be a small
 panicle from of *hemat.* open
 ground. Pan. purple
- 1900 *Poa* Rootstock, Root which
 open moss ground.
- 1901 *Puccinellia* - around hot spring
 N.B. The base of the stem from a dif.
 plant which appears to be the same.
- 1902 *Panicum* *hemat.* *Boland*
 around the hot spring
 Pouching & quite bushy. Spk. is
 typical much better than the one which
 was in the shade.
- 1903 *Panicum* - broad, leaves, has
 oblong panicle, drooping, along
 river. N.B.
- 1904 *Poa* no 2 rootstock broad asen-
 ding leaf etc. low meadow
 along river.

Norris

- 1905 *Panicum* *hemat.* narrow leaves
 & very pyramidal panicle, low
 meadow along river.
- 1906 *Agrostis* *gadelupensis*? *Panicum* clon
 upright than *hemat.*, 2 culms
 of heavily growing variety are
 included for comparison. low meadow
 near bank of river.
- 1907 *Melica* *bulbosa* dry pine woods
- 1908 *Trisetum* Low meadow - large
 bunch
- 1909 *Trisetum* probably same as the last
 for already collected, bank of river
- 1910 *Poa* - dry pine woods, Rootstock
 stems etc. etc. same as I already
 have well marked spk.
- 1911 *Poa* dubs like *hemat.*, low
 meadow along river
- 1912 *Poa* - *reptans*? *littoralis*?
 around spring in shady place.
 Pan. has oblong branches drooping
 color light green.
- 1913 *Agrostis* - *glauca* - common
 a double fruited form, dry hills
 around M. S. July 31

MHS

- 7914 *Fistularia* ditto probably the same as the full grown form at N.B.
- 7915 *Kueleria* ditto different from *Kueleria* found before. More bushy, greenish, long not in *Kueleria*.
- 7916 *Slipa* *Quilis* much like the *Calo* sp. form. ditto.
- 7917 *Slipa* *concolor* ditto.
- 7918 *Poa* ditto
- 7919 *Poa* ditto probably the same as the *Poa* from Salt G. City which was on the dry hills now dried.
- 7920 *Alpus* *diversus* ditto different from. Some green glaucous *ovoid* *discolor* sps.
- 7921 *Alpus* *exarata* along brook in wet soil.
- 7922 *Poa* - *Banks* wet cliff slopes & *pan*. *Banks* of *Pan* ascending short *slip*. Different from any *Poa* found so far. ^{not} *in* *gravel* along brook.

MHS

- 7923 *Poa* - bank along stream above water. I think the same as found at Ribbon falls.
- 7924 *Poa* - gravel along stream. Probably *Poa* no 2.
- 7925 *Alpus* *terrestris*. Shady woods along stream. Soft tall slender but I think same as the common form and dry hills nearby.
- 7926 *Panicum* *serotinum* - wet gravel along stream. All of this is comparatively low and small.
- 7927 *Panicum* *serotinum* - Open ground near stream in moderately moist soil. The pubescent form in growing with the other & is evidently the same. Size of *Pan*, leaves pretty - from 3 or 4 inch to 8 or 10 & widely spreading. Branch mostly wet by down. Sometimes spreading. Also more a less nodding.
- 7928 *Slipa* - Shady woods. Leaves much like 1946 but more

MHS

1929 Agropyron

- puberulent
 1930 Slips - same as 1925. Dry hills.
 1931 Browns - same as 1925. Shady woods.
 1932 Browns - Portia. Shady woods or near by. The purplish brown median spike is given after ground near woods. The green spike from shade. Culms in the early with after General (10)
 1933 Poa - Glaucescens, long, slender, multiseed head & feathery. Similar to the next but I think is different. Glaucescens, more spreading panicle or culm but the lower branches longer spike longer. long, flat, upper long & spreading. Along with of same color
 1934 Poa - ditto. long, narrow & some folded. Upper leaf small & folded. Pan. more slender, branches slender. Spikes smaller & color green.
 1935 I think these 2 are same as 1934 but numbers appear to have no root sticks

MHS

- Culm of 1934 is some rough lower pan.
 1936 Various forms of Agropyron. Some green, some not, some multiseed some not. Open rather moist ground.
 1937 Agropyron. Typical form, ditto.
 1938 Slips - seems more slender than 1916. After from ditto
 1939 Poa serotina, just out along brook. Later than other Poa. quite distinct from 1923
 1940 Poa - same as 1934. Seems quite stiff erect. Moist ground along brook
 1941 Calamagrostis. Root sticks - narrow erect pan. Sliff Culms of foliage ^{Boys}
 1942 Elymus - (glaucescens) Shady woods.
 1943 Poa - = 1923 older.
 1944 Agropyron. Shiny branches spike
 1945 Calamagrostis Canadensis - boys.
 1946 Browns - many also - very pubescent & not out along brook.
 1947 Pseudocelia - along bank of brook. ditto. Aug 1

MHS

- 1948 Elym. Crad. 2 large spikes
 1949 Aprop. accid. dry hills. low
 around spts.
 1950 Elym. small shady ground
 along river (Gardiner)
 1951 Aprop. - looks like Elym. hirsutum
 bogsy ground along river
 1952 Elym. - bogsy ground along
 river. watched. some in clump
 1953 Aprop. dunes. dwarf. dry hills
 1954 Phalaris - bogsy ground along
 river. Larger than 1952
 1955 Poa - shady soil along river
 1956 Muhlenbergia. open moist ground
 along river
 1957 Poa - no 2 Shady moist ground
 along river
 1958 Muhlenbergia head of 1956
 1959 Aprop. - looks like A. accid. but
 Cilia more rug. & spts. villous.
 Dotted. - mossy meadow in
 open woods in Sod. Valley above
 hold. probably 5000 ft.
 1960 Poa - the large flowers form
 shady moist woods in canyon above

MHS

- hold. This large flower form seems
 to be constant.
 1961 Elym. Shady woods
 1962 Panicle in meadow by a woods
 should call this ordinary form
 1963 Shipa. Open grass ground
 near open woods.
 1964 Tipa - various spec. of which I think
 is all one species. They all
 grew on the same open dry hillside.
 The small ones are in the more open
 places where little ones are in clumps
 of sagebrush etc. Leaves maybe more
 slender or broad flat.
 1965 Elym. dille
 1966 Poa dry place along brook, probably
 the same as the hill. Shady ground
 in open woods near by.
 1967 Aprop. dunes in flower. Edge of
 woods on hills.
 1968 Aprop. leuc. Open weedy hillside
 the plant is very flowers. ~~They~~
 1969 Muhlenbergia along river. dille
 1970 Aprop. meadow dille.

MHS
mammoth Hot Springs

- 4971 *Poa reflexa* Sphagnum bog along stream 7000 ft
- 4972 *Festuca* - *Brunneri* 8000
- 4973 *Poa* - white spk. robust, medium small *genua* dille
- 4974 *Poa* - Probably the same spec. that is found on lower hills dille
- 4975 *Poa* - Summit *Brunneri* Peak
- 4976 *Calamagrostis* - open pine woods, on dry hillsides. Road to Canyon Aug 3
- 4977 *Agropy. divergens* - dry hill and straight. The awns become shorter at maturity.
- 4978 *Cum. lilifolia*, Springy ground
- 4979 *Agropy. v. var. mollis* - dry ground along road
- 4980 *Poa* - Probably the same as found on the hills - *P. sandbergii*? 2000 ft. much of light green color common in the pine near Wagon Mt. Aug 4
- 4981 Probably the same as 1980, in woods upland dry hills, of the glows
- 4982 *Calamagrostis* - low lying, narrow spreading leaves, central spike before

near Terrace Mt

- 4983 *Kordana* along edge of road
- 4984 *Poa* probably = 1980, well found along spring brook
- 4985 *Paniculana* - Sphagnum along brook (Escalante?)
- 4986 *Agropy. tenerum* - bunch. dry hillside, more pubescent lower shrubs ^{leaves} _{pubescent}
- 4987 *Agropy. divergens* - in same place & mixed with it (1986) but shows shrubs glabrous, awns long & lower part of awns very pubescent when 1986 is thick & purplish as well as pubescent. 1987 is quite glaucous
- 4988 *Poa* - dropping from dry woods wet shade, this *Sclerog. hauri* with more medium to white spk
- 4989 *Poa reflexa* - mossy bog along brook
- 4990 *Slipa* - About timber line on Electric Peak Aug 5
dry hill
- 4991 *Andropogon* - dille
- 4992 *Agropy. mollis* - dille sh. pubes.
- 4993 *Poa* - in deep shadows from dille
- 4994 *Sclerog. hauri* - dille 2 spec. but seen to be the same.

- 1995 *Poa leucopetala* dett
 1996 *Poa sandhuensis* - dett
 1997 *Festuca* - dett after good (faint)
 1998 *Melica (bulbosus)* - dett
 1999 *Poa* - dett 2 kind with fls white
 at meadow
 2000 *Sandhuensis* dett
 2001 *Calamagrostis* - above timber line
 2002 *Agropyron* dett
 2003 *Agropyron* - dett
 2004 *Poa* - dett *leucopetala*?
 2005 *Slipa* - Is this the same as 1990?
 dett
 2006 *Poa* - common dett I don't think
 this is *Sandhuensis* but the small
 narrow pointed form of the lower region
 2007 *Melica* - dett
 2008 *Poa* - (alpine?) dett probably alpine
 2009 *Poa* - alpine form of no 3 dett
 2010 *Poa* - dett 2006
 2011 *Poa* dett
 2012 *Poa* - the *Yunnan* form about timber line 1993
 2013 *Festuca* - *hutchinsonii* near summit
 of Electric peak

- 2014 } *Poa* dett
 2015 }
 2016 }
 2017 }
 2018 *Briza* - probably *parviflora* but along
 brook at base of Electric Peak Aug 6
 2019 *Slipa* - good sized bunch, open dry
 ground 6 miles S. Mt S. Aug 7
 2020 *Poa* - no 2? mostly small culms
 from rootlets in rocky marsh
 2021 *Roegneria* - along edge of marsh
 2022 *Slipa* - dry hills, same as above
 but has a looser panicle
 2023 *Poa* - dry hills. *P. sandhuensis*?
 2024 *Poa* - dry open open woods
 2025 *Calamagrostis* - moist grassy
 wooded hillside, near Yancey's
 2026 *Agropyron* - dett
 2027 *Poa* - along brook. Seems a little
 different from other *Poa* (faint) but
 narrow panicle (faint) dett
 2028 *Agropyron* (faint) along brook
 moist soil dett
 2029 *Briza* - moist woods Is
 this *Purshii*? very large

- 2030 Poa - along highway, ditto
- 2031 A sample from 2 Apple trees
Tower Falls, Aug 8.
- 2032 Poa - 2 mi. east Mt Washburn, about
5500 ft. open dry hills above
timber - silvery panicle, slender, erect
- 2033 = 2032 but larger, ditto
- 2034 Poa - narrow panicle, erect, green
No 3 the panicle green, I think ditto
- 2035 Poa - I think this is the green narrow
panicle from common lower down, common
here
- 2036 Am not sure yet whether this is
different from 2035. Same green look
Soft & large leaves, not growing
- about the same place but higher
up the same embankment of the road
- 2037 Grass seeds, water, ditto, poorly fl.
- 2038 Poa alpina - near top of Washburn
- 2039 Trisetum ditto
- 2040 Festuca bryophylla, ditto
- 2041 Poa arctica? ditto
- 2042 Poa - ditto
- 2043 Festuca bryophylla, ditto
- 2044 Arap. Serotum ditto

- 2045 Poa - (reflexus?) ditto
- 2046 Poa ditto - doesn't seem like 2045
- 2047 Poa (erecta) ditto
- 2048 Poa - annual, along brook - but
not - also - near lower along road.
Panicle looked like P. reflexa.
- 2049 Poa - narrow seed (not here) along
side of bank near brook.
- 2050 Bromus - along road - rather
dry soil.
- 2051 Arap. Serotum, ditto. note that
some spikes are distinctly erect
others not.
- 2052 Poa - narrow seed in woods
- 2053 Viridula ditto
- 2054 Poa - same local ^{Aug 10} as 2050 looks
a little different from 2054 ^{1/2} but very
near the same. Spikes smaller. Aug 10
- 2055 Calamagrostis, open woods, Aug 10
Washburn, not like abundant.
- 2056 Arap. Serotum, not near woods
ditto.
- 2057 Melica ditto
- 2058 Festuca ditto
- 2059 Elymus, fine ditto

- 2060 *Sarcobatus* alkali and marsh
Springs Washburn
- 2061 *Panicum thermophilum* Boland ditto ditto Aug 11
- 2062 *Poa* - Upper mossy ground along
Yellowstone River south of Canyon 4066
- 2063 *Agrostis Idahoensis* - Bank of Yellow River
- 2064 *Poa* - ditto. Small & large
Spec. of same
- 2065 *Poa* - ditto
- 2066 *Poa* - ditto
- 2067 *Panicum* ditto
- 2068 *Poa* - Pulverulent - rootlets
along roadside 3 mi. S. Canyon Jct
- 2069 *Poa* - common in prairie ditto
- 2070 *Calamagrostis* - Prairie along creek
common.
- 2071 *Koeleria* - ditto common
- 2072 *Poa* - ditto common = 2068?
- 2073 *Poa* - along bank of Yellow River Aug 12
This is the same as one already
collected in Yellow River with
panicum & white flk. of molting
A sample of which I included with
this. Both forms growing together
here. 2073 has a more drooping

- 2074 *Poa* - somewhat purplish panicum. I can
see no other difference
Poa along river bank. Growing with
the single spec. which Schults is
different & is already collected
- 2075 *Poa* - This appears to be the Colo.
Poa - wet rootlets & drooping pan.
Panicum near river.
- 2076 *Agrostis tenerum* - open woodland border of
Yellowstone lake.
- 2077 Probably the same as 2076, sloping bank
ditto. Those on bank are all more robust
& have longer awns but the other grasses
here are more robust than those on
the bank above. The slope is newer soil.
The smaller spec. is wet 2077.
- 2078 *Poa* - No 3 - near water slope
of ditto
- 2079 *Calamagrostis* - slope of ditto
- 2080 *Bromus* - large & small spec
of same. Open woodland ditto
- 2081 *Calamagrostis* - prairie along lake
- 2082 *Poa* - robust along brook near
Thurston Aug 13
- 2083 *Sarcobatus* - open broad prairie

Can spec. is pubescent, very green
among the glabrous forms is
identical in other ways.

2084 *Bulbophyllum* - along roadside in new soil

2085 *Elatine* - in *Stachys* along lake

2086 *Pantheriophora* ^{Bolander} - Hot Springs 1 m. north Hunt

2087 *Lucernella* - ditto

2088 *Alphapogon* - ditto

2089 The same as 2088 but glaucous. ditto

2090 *Alphapogon* - Hot Springs at Hunt

2091 Same but larger

2092 *Alphapogon* - Strong prairie, Continental

Divide (East) Aug 18 - Same form
have 2 sp.

2093 *Poa* - ditto. common. mostly
small bunches. panicle green in flower
prophylls of involucre & surrounding
enveloped. ls. mostly golded.

2094 *Poa* - along ditch ditto. bunch
Is this *brachymeris*? I think sure
as the upper leaf is too long.

2095 *Alphapogon tenuis* - along bank of pond
enclosed. ditto 10 m. west W. Hunt
growing with *A. nemata* one of the
which is enclosed. Are these

different species. Look very much
alike.

2096 *Bromus* - along roadside ditto

2097 *Panicum* - along pond in wet
soil. ditto

2098 *Poa* - along bank of pond

2099 *Panicum* - low growing ground
along brook 10 m. w. W. Hunt

2100 *Poa* - ditto. root thick

2101 *Poa* (leptocoma?) stem & pan. rough
ditto. single or in small bunches
in grass

2102 *Alphapogon* ditto growing in the same
place & with same habit

2103 *Brachymeris*? ditto

2104 *Alphapogon* ditto

2105 *Poa* - No 2 & 3 of Col. ditto

2106 *Lechampsia* - on formation around
Lycopodium *Uplandensis*

2107 *Sitona* - ditto

2108 *Alphapogon nemata* ditto

2109 *Stipa* - ditto

2110 *Koeleria* - ditto

2111 *Sorberia* - ditto

2112 *Alphapogon* ditto

- 2/13 *Praxinella* ditto. Am spec's
larger than usual
- 2/14 *Prunella* *barbipubescens* ^{hask} ditto &
one spec. seen.
- 2/15 *Apopyan* ditto
- 2/16 *Apopyan* ditto
- 2/17 *Spartan* ditto
- 2/18 *Fuchsia* After rain woods ^{Upper Basin}
Aug. 16
- 2/19 *Elymus glaucus* ditto. Not in
grasses & woods. It may be that
these are always present and I
just noticed them.
- 2/20 *Agrostis* ditto. Soil around
hot springs & on S. *Fountain Hotel*
- 2/21 *Spartan* ditto
- 2/22 *Sambucus* - low shrub but dry
upper woods at *junction*. Aug. 17
- 2/23 *Agrostis* *leucocarpa* probably ditto
in the shade of the trees, always rather
erect.
- 2/24 the same in the open places
and short or almost none.
- 2/25 *Poa nemoralis* in shoes ^{along}
Firehole river at *junction* Aug. 18

- 2/26 *Agrostis* *leucocarpa* - *arvensis* ditto. - 2/27
- 2/27 *Poa* - small white fls. a mature
specimen showing panicle after
in shade of conifers, *near* allied
to *P. pratensis* ditto, *open woods*
- 2/28 *Calamagrostis*. Dry open woods
ditto. Panicle *erect* at maturity
in single spec.
- 2/29 *Apopyan* - very long apical. In
a form of *divergens*? *not* of *clad*
open *long* *woods* ditto.
- 2/30 *Agrostis* *stolonifera* after
ditto of *soil* ditto
- 2/31 *Bromus* ^{sp.} *spring* soil near river ditto
- 2/32 *Calamagrostis* *chamaecrista*? *Spring*
soil ditto
- 2/33 *Agrostis* (*perennans*?) *Spring* soil
Spring ditto
- 2/34 *Panicum* *maritimum* many small
specimens but I also found *larger* ones
later *sample*. I think all are the same.
Spring *soil* ditto
- 2/35 *Apopyan* - *Bromus* *leaves* & all
the *soil* *ditto* *Elymus glaucus* (2/35 $\frac{1}{2}$)
a sample of which I included &

which grow along side But must
be a form of *tenax*. Sometimes some
double headed below, most soil
along river, ditto.

- 2136 *Lappetorum?* Spring, ground ditto
- 2137 *Panicum* - in water of ditch
- Duell's Aug. 19
- 2138 *Aster* - after woods ditch
- 2135 *Aster* after woods ditto
- 2140 *Calamagrostis* ditto ditto
- 2141 *Poa* ditto ditto
- 2142 *Alapecum* in water of ditch ditto

Idaho Falls ^{Idaho} Aug 20

- 2143 *A. pulch. alba* - common along
ditches. In large patches of young
- 2144 *A. sub. occ. moll.* along river
near a dry pool.
- 2145 *A. sub. tenax* ditto
- 2146 *A. sub.* - very white fls. along R. J. ditto
- 2147 *Poa* along river ditto
- 2148 *A. pulch. alba* - ditto a
smaller form than 2143 but
all the same.

Spontaneous - along ditch in town ditto

Butte Mont Aug 22

- 2150 *Bromus* - Dry hills near water
- 2151 *Poa nemoralis*
- 2152 *Silene*
- 2153 *A. sub. divar.*
- 2154 *Calamagrostis*
- 2155 *Muhlenbergia*
- 2156 *A. sub. maculosa*
- 2157 *Slipa*
- 2158 *A. sub. violacea*
- 2159 *Bromus Porteri*
- 2160 *Poa*
- 2161 *Festuca*
- 2162 *Calamagrostis* = 2154 ditto
- 2163 *Long. Repens*
- 2164 *Calamagrostis?*

Coeur d'Alene Aug 23

- 2165 *A. sub.* Low land along lake
- 2166 *Poa* ditto I thought this
was a large *P. nemoralis*
but it appears to have short
root hairs, not like *decumbens*

- slender base.
- 2167 *Panicum* - Low *Carex* matted along lake. Paled green.
- 2168 *Alopecurus* - ditto very slender & decaying. Paled green.
- 2169 *Panicum* - ditto much more dense than 2167.
- 2170 *Panicum* - ditto of different species, but quite different in size. All appear to be same.
- 2171 *Panicum pacificum* H. & C. - ditto of *tennesseense* - rather shorter & creeping stem. Different from *tennesseense* which forms very thick patches. Color lighter green - of *tennesseense* dark green.
- 2172 *Alopecurus* - ditto. All I have seen under this name do slender narrow panicles.
- 2173 *Gerardia* - ditto all I have seen do old panicles.

- grassy all about & the ultimate branches appear slightly decaying.
- 2174 *Alopecurus* - what is this? ditto.
- 2175 *Panicum* - ditto.
- 2176 - 2177 In wet places. I believe this is large *tennesseense*. Common here ditto.
- 2177 *Dischidroma* - Springy place along creek Harrison Aug 28
- 2178 *Bromus* - ditto
- 2179 *Bromus* - ditto another the same?
- 2180 *Poa annua* - ditto.
- 2181 *Poa* - *monensis* - larger than 2180 - note small panicles in same stem. ditto. I saw the ordinary small form in clift of rocks near by.
- 2182 *Poa monensis* - 2181 along by small stream.
- 2183 *Alopecurus* - *tennesseense* along pond.
- 2184 *Panicum* - edge of water ditto = 2167
- 2185 *Alopecurus* - ditto forming large masses in shallow water. = 2168
- 2186 *Polygonum* - low ground along by. ditto

2157 *Panicum* along blough ditto
= 2169

2166 *A. pub.* leaves very large
specimen 3-4 ft. high dense grass
mats along river. Note the
young panicles - what shape like
growing then spread. What is
this? Some a shade of redness
Chrys. *Spizaea* etc.

2167 *A. pub.* - along river bank near
meadow. Chrys. = 2174 *Chrys.*
not *A. biennis*

2190 *Panicum* *pacificum* N+C
along blough
of *Chrys.* flower along track
also in the grassy low land near by
old blough very productive. Is the
same?

2191 *Panicum* - along track

Grand Junction Ch.
2182 *Chrys.* - muddy bank
of Grand River

2183 *Spizaea* - ditto

2184 *A. pub.* *tenax* - ditto

2185 *Sporobolus armatus* - ditto level
and dry ground large bunches
2-3 ft. across. Common on the
yellow sand

2186 *Polygonum* - along ditch

2187 *Panicum* *crisp.* along ditch &
near garden. All forms of *ch.*
occurring.

2198 *Psidium* - ditch along Bay

2199 *Sporobolus asperifolius* ditto.

2200 *Distichlis* - along ditch

2201 *Sporobolus* - ditto

2202 *Poa* - along ditch in grass

2203 *Distichlis* - ditto & the big clotted
in presence

2204 *Panicum* *barbipulvinatum* Nash
ditto.

Grand Junction Ch. Aug 25

2205 *Panicum* *barbipulvinatum* Nash
along ditch

2206 *Sporobolus* - ditto

2207 *A. pub.* - ditto

2208 *Lychnis* - in field along ditch

2209 *A. pub.* - ditto

2210 *Prunella* - ditto

Curay Colo Aug 30

- 2211 Muhlberg - tufts - Box can
for rocks.
- 2212 A. rep. acc. visible dith
The spits are thick & more
compact. I usually recognize
this form by appearance of chits
before examining for pubescence.
- 2213 A. rep. - dith. lower bases
of panicle strongly reflexed.
- 2214 Muhlberg - dith.
- 2215 Brachy. portul. dith.
- 2216 Salicornia - The same as found
commonly in yellowish soil. dith.
- 2217 Melicope Portul. - among rocks dith.
- 2218 A. rep. dith.
- 2219 Kuehneria - in springy soil on rocks
dith.
- 2220 Blechnum - dry rocks dith.
- 2221 Pan. nemoralis - same as 2219
same chaps I have been getting
all along here. This has dry
spits in spreading panicle because
of the moisture.
- 2222 Kuehneria? - thought it was
Calamagrostis or Kuehneria but

Curay

- I guess it is Kuehneria. Much like
than 2219. Growing in same low
moist soil with rocks. Growing in
large tufts with large flat leaves
of dark green.
- 2223 Kuehneria - in dry rocks.
- 2224 ^{agrostoid} dry bank - terrestris - above Box can.
- 2225 Pan. - Spring source dith
dith chaps like P. nemoralis, which
acc. here common but has
short panicle with drooping branches
at maturity. May be the Pan. of
petition with white spits.
- 2226 Salicornia - The same as in common -
yellowish soil. dry sandy dith.
- 2227 A. rep. dith. (Curay) - same as
as 2225 but also found on dry
ground.
- 2228 Cur. latifolia - Spring source dith.
- 2229 Trisetum dith.
- 2230 Pan. - annual very variable
in size & shape by specimens.
Always soil large after drooping
panicle. Most plants along road
in brown soil.

Quincy

above Box Canyon

- 2231 *Eriogonum* near bank dlt
2232 *Poa arvensis* - Spring place
2233 *Artem. latifolia* - much larger than 2228 - Springy soil
2234 - ? dlt
2235 *Calamagrostis* - large leaf along road in dry soil
2236 *Poa nemoralis* - a cliff creek
2237 *A. repens* - green west bank of large
2238 *Drum. maculata* - common in wet meadow
2239 *Stipa* - 2224 dlt
2240 *Calamagrostis* dlt
2241 *Poa compressa* wet soil
2242 *Agrostis spicata* - wet place on cliffs
2243 *Poa* - wet soil - narrow
2244 *A. repens* - dlt. I think it's very a few of them - as one seen in the area become more pronounced
2245 *Trisetum subspicatum* - ascending the ravine toward the Park
2246 *Poa* - dlt. *aperta* ?
2247 *Eriogonum* - up the mountain

Quincy

- 2248 *Poa nemoralis* dlt. *Panicum* becoming smaller & more caespitose as we ascend.
2249 *Trisetum hexastachyum* dlt
2250 *Poa* - dlt
2251 *Poa alpina* - dlt. Blue green color - basal rosette of broad flat leaves conspicuous
2252 *S. chapmanii* - Park at high altitudes. Open grassy ground but moist
2253 *Poa* - dlt
2254 *Poa* (*leptocoma*?) dlt common
2255 *Trisetum spoliatum* - as usual at high altitudes. The shells are dark purple
2256 *Poa* - dlt
2257 *Poa* - dlt
2258 *Eriogonum* - dlt
2259 *Agrostis nigra* - at high altitudes. The shells become more compact & the green tint is less purple. But I think this is the same as I got at lower altitudes 2228 &c
2260 *Poa* - Park (11000 ft?)
2261 *A. repens* - dlt
2262 *A. repens* - dlt

ouray

- 2263 Poa — ditto
 2264 Poa meadows in alpine
 form ditto
 2265 Poa — ditto
 → Along road to Silverton, in drifts of rocks
 or soil along road — rocks, Aug 31
 2266 Poa — seems like *P. pycnantha* but
 leaves are not up to *P. pycnantha* —
 common here.
 2267 Ayp. over rocks, a large form
 2268 Setaria — a short form (and)
 think is the same as the common
 large form
 2269 Kuelin? —
 2270 Boutelou lindleyi
 2271 Muhlenbergia
 2272 Sporobolus cryptanthus —
 2273 Ayp. willdenowii — some have short
 nodules but I think this is
 only an exception being described
 bases of leaves.
 2274 Sporobolus
 2275 Panicum barbi-pulvinatum Nash
 2276 Poa — (Zandvian?)
 2277 Sporobolus

ouray

- 2278 Brown, Palm. Small form — it
 grows in rocks.
 Leadwell Colo Sept 1
 2279 Brown, Palm. Bushy herb in
 open Pine woods — dry.
 2280 Festuca ovina — ditto
 2281 Slips — ditto forming large clumps
 which die in the center & leave a
 group of new plants.
 2282 Poa meadows — ditto
 2283 Ayp. lewisii? high pubescent.
 some theca's ditto not shown
 2284 Kuelin — ditto seem different
 from usual form. Stems short &
 above.
 2285 Pseudocallis — more sp. in
 ditto. Pine from dry & sp. in
 2286 small & short —
 2287 Kuelin. much it has
 2288 Poa — ditto. not theca's.
 2289 Hordeum — common — much sp. in
 2290 Setaria — hills & woods. small
 & large —
 2291 Hordeum in shade

Leadville

2251 Agrostis - smallish, 2 or 3 in. tall, small?

2252 Poa - evidently all the same & probably = 2288, open pine woods

2253 Sept 2, Mts. to N.E. about timber line, strong pine woods - open.

2253 Poa - longipedunculata - clump. one green - one glaucous, all down altitude the spks had all fallen leaving white heads of glumes.

2254 Poa - seems different from 2253.

2255 Agrostis lucida - near summit.

2256 Poa - long peduncles dying off in center, got same at high altitude today.

2257 Calamagrostis

2258 Poa - not shed

2259 Poa - not shed at lower altitudes this is all dead is it the same as 2300 & 2287?

2300 Poa - not shed

Leadville

2301 Poa glauca? This has larger spikes than Poa marginata small mound for which it is not above timber line all the following

2302 Poa nemoralis -

2303 Festuca

2304 Deschampsia

2305 Calamagrostis

2306 Poa - Root shed

2307 Poa - no root shed

2308 Trisetum

2309 Poa - = 2256?

2310 Festuca - Leaves just about 1/2 taken certainly different from 2303 &c

2311 Poa - small form, nemoralis or repens?

2312 Poa alba - like a clump

2313 slopes than most of the hills

2314 Trisetum malle

2315 Agrostis serotina

2316 Poa - Is it annual?

2317 Agrostis vivipara as it comes in at high mts

2318 Poa - probably a same as an matted plant

2318 Poa - Bunches - parish silver
common above timber line. Cfr.

2293x

2319 Poa - Along road to L. in north
just below timber line 10500-11000

2320 Beckmannia dett

2321 Bromus

2322 Poa The Colo. Spr. Poa with
dripping pan.

2323 Poa

2324 Poa annual? = 2315?

2325 Stipe

2326 Poa prostrata?

2327 Proserpinaca

2328 Poa

Pikes Peak Sept 3

2329 A. rep. tenu. samples showing
variation. - Around Mammals

2330 Trisetum dett. sandy Clements
in a form of malle.

2331 Poa dett

2332 Poa Near Lake Superior Valley
Plant

2333 Trisetum subsp. glaberr. dett

2334 A. rep. - dett. humilis in
saw at lower altitudes in
all past flower.

2335 A. rep. near same but same
altitudes. dett

2336 Poa dett

2337 Poa dett

2338 Festuca dett

2339 Poa dett

2340 Deschampsia - looked different from
common form. (yellow & small fls.)

2341 Poa dett

2342 Poa dett

2343 Calamagrostis dett

2344 Poa - dett

2345 Poa dett my brown leaves

2346 Poa - dett

2347 Ruzel Poa dett

2348 Poa dett

2349 ~~Avena~~ ^{mortuaria Scribn.} dett meadow

2350 Poa (arctica?) dett

2351 Poa - dett

2352 A. rep. dett

- 2353 Festuca - deth
- 2354 Trisetum molle deth
- 2355 Poa deth
- 2356 Agrop. nivalis deth
- 2357 Agrop. subnivalis deth
- 2358 Poa deth
- 2359 Poa phyllon - about timber line
on edge of road
- 2360 Agrop. nivalis deth
- 2361 Agrop. caucasicum deth
- 2362 Agrop. Richardson deth (not all
the same)
- 2363 Agrop. caucasicum deth
- 2364 Calla arvensis deth
- 2365 Agrop. alpinum, 10000 ft.
- 2366 Agrop. deth
- 2367 Muhlenbergia deth
- 2368 Poa deth
- 2369 Setaria - Above edge of forest
in mountain
- 2370 Elymus deth
- 2371 Muhlenbergia deth
- 2372 Muhlenbergia deth
- 2373 Adiantum deth

- 2374 Pan barbipulvinatum Nash deth
- 2375 Pan deth
- 2376 Muhlenbergia deth
- 2377 Adiantum deth
- 2378 Muhlenbergia deth
- 2379 Agrop. deth

- Manhattan Kan Sept 5
- 2380 Pan. capillare along street
 - 2381 Poa. shannon deth
 - 2382 Sporob. angustifolius deth
 - 2383 Pan. subnivalis deth
 - 2384 Muhlenbergia deth

See A.C.'s field book
1906-7
for 2385 - 2418

1908 book begins anew at
2500

1907

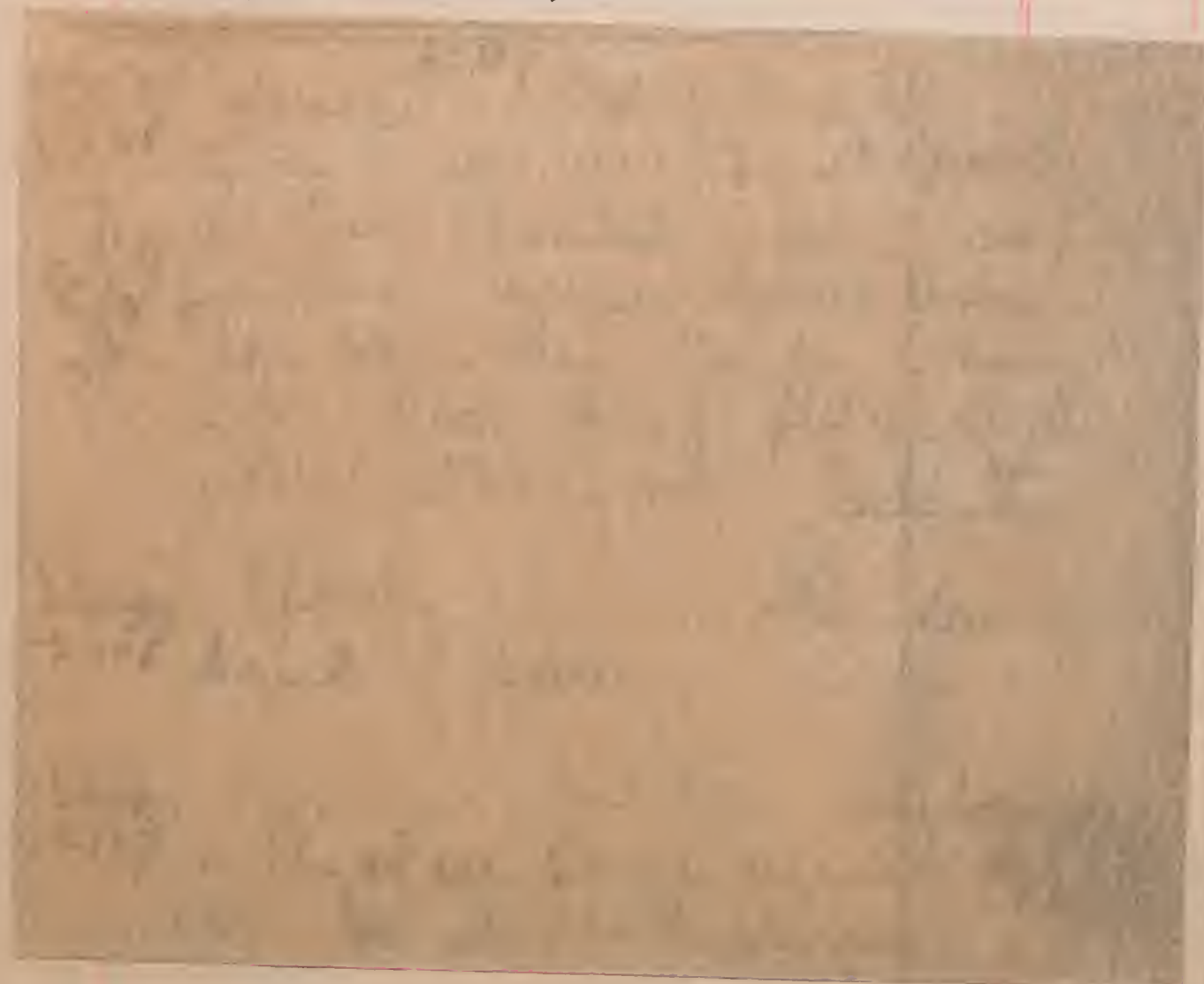
see AC's book for AsH
1907 Collections (after no. 3836)
↓ transferred June 1966

2385 *Spartina* (caespitosa ?)
Along track near south end of Y at Chesapeake
Beach not far from edge of draw among *Sp.*
polystachya, *Scirpus robustus*, etc. Culms
erect, blade folded or slightly folded when
fresh. Sept. 7

2386. *Spartina glabra*. Delta near bank of draw.

2387 *Spartina juncea*. Delta in the open sand,
middle of Y. Bunches with rhizome.

↓ Typed copy



AsH *Paspalum*
collected before 1906
with that no.

9/7-07

The rhizomes are often above
ground forming runners.
3838 *Panicum* Waller. After
2388 sandy portion of Y. densest
growing at base, with several
branched. Many young plants of
a few inches in height. Some
present some flowers.

3839 *Panicum*
2389 Spreading flat mats, like
mosses but not below
surface. Along track end of Y.

3842 *Panicum virgatum*, along
2390 draw near 3838. Shrubby
along track, bunchy.

3843 *Panicum* dense, upright
2391 drooping, *Pan virgatum* L

Chesapeake Jet.
3844 *Syleria* umbellata, wood at
2392 *S. fruct.* growing, shrubby, short

3845 *Panicum microcarpum*
2393 woods, *S. fruct.* short, shrubby
along track.

205

Fla

1907

Lanham 9/21

2394

2395 Pan meridionale Ashe

2396

not
at

2397

not
at

2398

agrostoides Muhl

2399

Schult

2400

2401

prospereum

as H Paspalum
collected before 1906
without no.

3854
2402

2403

2404

2405
not
at

2406
not
at

2407

2408

2409

Paspalum ciliatulum
Blade above or below pubescent.
Color light or yellowish green
green but spreading. Spike 1-2
dith. long.

Pan villosissimum Nash
Color light spreading
flat

Pan. polyanthum Schult
on low ground high
well shot and branching.

Pan. communis Muhl
short stem but dense and
hard plant. Culm

Panicum columbianum Schult
Stems more or less pubescent
and prostrate. Spike

Pan. columbianum Nash
dith. but not y
it on the place was erect.
The branching is sparse
and the spike is

Pan. sp. in cap. Ell
prostrate, light green

Pan. meridionale Schult
dith. and spreading

Pan. sphaerocarpon Ell

1905

Fla

2

2

2

2

1907

- 2410 *Pasp. Ashei* Pearson
middle of field, near barn
- 2411 *Pasp. barbatulum* Michx.
widely scattered, open, dry, sandy
slopes, near barn
- 2412 *Pasp. inflatum* (P. H. R.)
detid, widely decumbent
grasses, prostrate
but slightly spreading
in 3861
- 2413 *Pasp. columbianum*
widely prostrate, very stiff
grasses, prostrate
- 2414 *Pasp. deflexum* Michx.
Nash
- 2415 *Pasp. villosissimum* Nash
- 2416 *Pasp. fasciculatum*
not it open shade hill, near barn
Nash
- 2417 *Pasp. ...* Nash
low field, near barn
- 2418 *Pasp. ...* Nash
low field, near barn

as *H. Paspalum*
collected before 1906
without no.

- 2419 *Pasp. buckleyanum*; Caspids
Christe Tex Aug 7, 1904
- 2420 *Pasp. longepedunculatum* L.
Stone Mt Ga Aug 1905
- 2421 *Pasp. longeped.* —
Elizabethton Tenn July 26-7 1905
- 2422 *Pasp. longeped.* Marco Fla
July-Aug 1900
- 2423 *Pasp. longeped.* Miami Fla
Mar 1903
- 2424 *Pasp. setaceum* Michx.
Virginia Beach Aug 31, 1902
- 2425 *Pasp. setaceum* Wilmington
NC
Aug 8, 1905

2426 *Pasp. setaceum* Orangeburg
Aug 1905
39 14 16
483

2427 *Pasp. setaceum* Valley Forge Tenn
July 22, 1905

2428 *Pasp. setaceum* Stone Mt Ga
Aug 1905

2429 *Pasp. debile* Nix Fort Myers
flatwoods Apr 11, 1906

2430 *Pasp. debile* Nix
Sarita Tex Aug 7, 1904

2431 *Pasp. distichum* Stone Mt Ga
1905

2432 " " Samibel Fla in 1900

2433 *Pasp. superuum* Wilmington NC Aug
30 1905
121 HRC

2434 *Pasp. superuum* Orangeburg SC Aug 15
1905

2435 *Pasp. superuum* Jacksonville Fla 1900

2436 *Pasp. superuum* Ft Myers 1900

2437 *Pasp. stramineum*, Carruthersville Mo
1904

2438 *Pasp. stramineum*, Stillwater Okla
1903

2439 *Pasp. pubescens* exoptationally apical
pubes. Chain Bridge Va Sept 1904

2440 *Pasp. pubescens* Columbia Mo 1904

2441 *Pasp. pubescens* Carruthersville Mo 1904

2442 *Pasp. pubescens* Biltmore NC Aug
1905

30-178 HRC

2443 *Pasp. pubescens* Orangeburg SC Aug 15
1905

2444 *Pasp. pubescens* 121 HRC in part

2444 *Pasp pubescens* Lake Charles La

2445 " " Winter Okla 1903

2446 " " (exceptional) Wilmington NC Aug 1905

2447 " *rigidifolium* Chehaw Ala

2448 " *ciliatifolium* Galveston Tex
exceptional, pubescent 1903

2449 *Pasp ciliatifolium* Wilmington NC
Aug 1905

2450 " " Orangeburg SC
Aug 16, 1905
(130 HRC)
30

2451 " " " " 1905
~~at shorter~~

2452 " " Isle of Palms SC
Aug 22, 1905

2453 " " Punta Rasa Fla 1900

2454 " " Sanibel " 1900

2455 " " Marco " 1900

2456 " " Mobile Ala 1904

2457 " " Santa Tex 1904

2458 *Pasp propinquum* Miami Fla March
in 1903

2459 " *monactatum* Ft Myers 1900

2460 " " Galveston Tex
1903

2461 " *laugii* San Antonio Tex
1903

2462 " *blodgettii* Miami Mar 1903
(499 HRC)
30

2463 " *caespitosum* Key Largo Fla 1903

2464 " " Miami Fla Mar 1903

2465 " *vaghiatum* Jacksonville Fla 1900

2466 " " Sanibel " 1900
Brownsville Tex in 1904

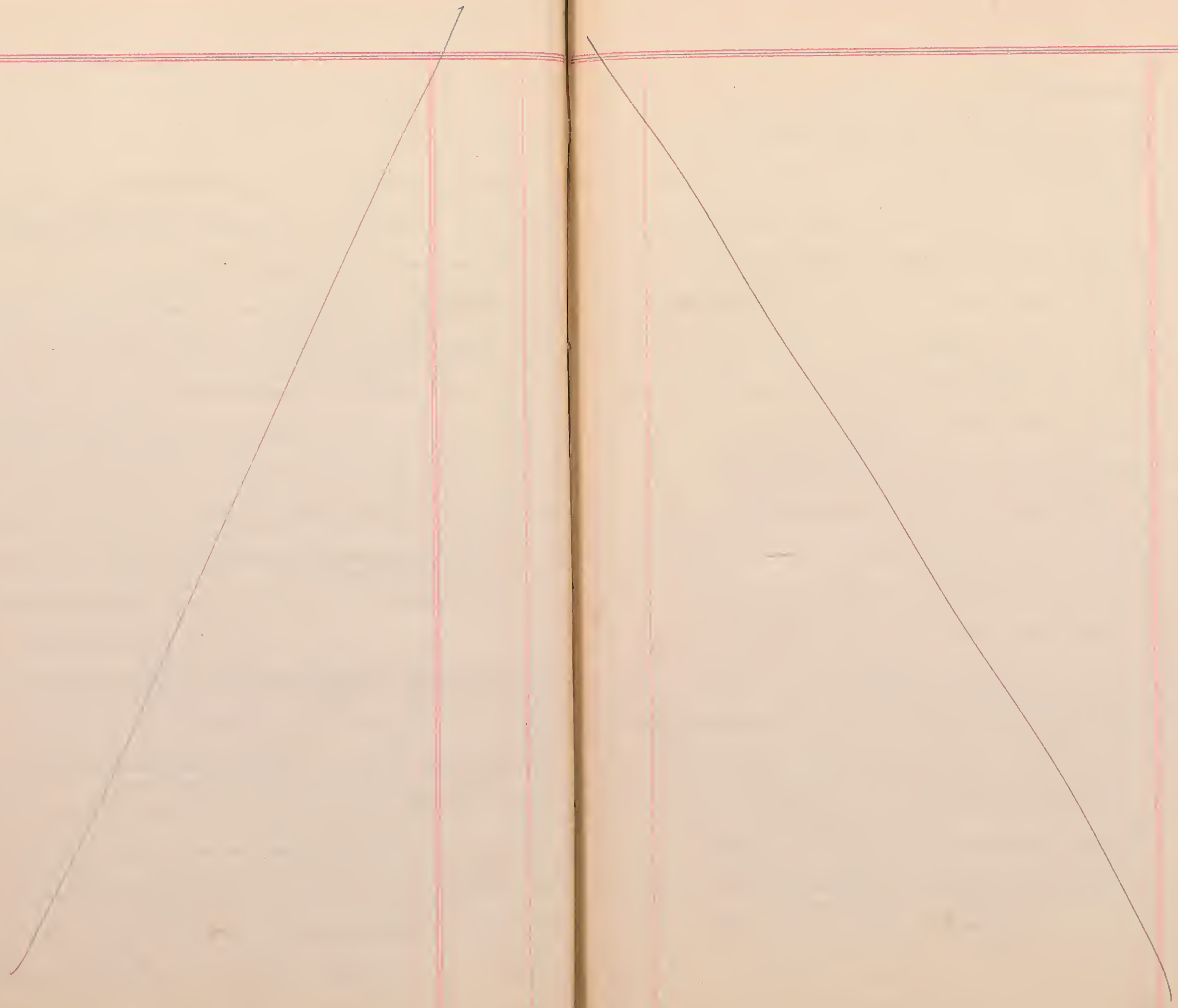
2467 " " " " in 1904

2468 " *pubiflorum* Choctaw Texas in 1904

2469 " " N. Galveston in 1903

H's numbers
begin again
at 2470
(see 6 pages
further on)

2
2
2
24
24



2
2

2470 *Pasp. superuum* Lake City Fla 1898

2471 *Pasp. ciliatifolium* Palm Beach Fla 1896

2472

2473 *Pasp ciliatifolium* Eustis Fla 1894
2474

2476 *Pasp ciliatifolium* Eustis Fla 1894

2477 *Pasp ciliatifolium* Palm Beach Jan 1896

2478 " " Levy Co 1898

2479 *Pasp ciliatifolium* Palm Beach Jan 1896

2480

2481 *Pasp superium* Eustis Fla 1894

2482 " " " " "

2483 *Pasp superium* Jefferson Co Fla 1898

2484 *Pasp superium* Suwanee Co Fla 1898

2485 *Pasp superium* Lake City Fla 1898

2486 *Pasp setaceum* Lake City June-July 1898

2487 " " Madison Co " " "

2488 " " Suwanee Co " " "

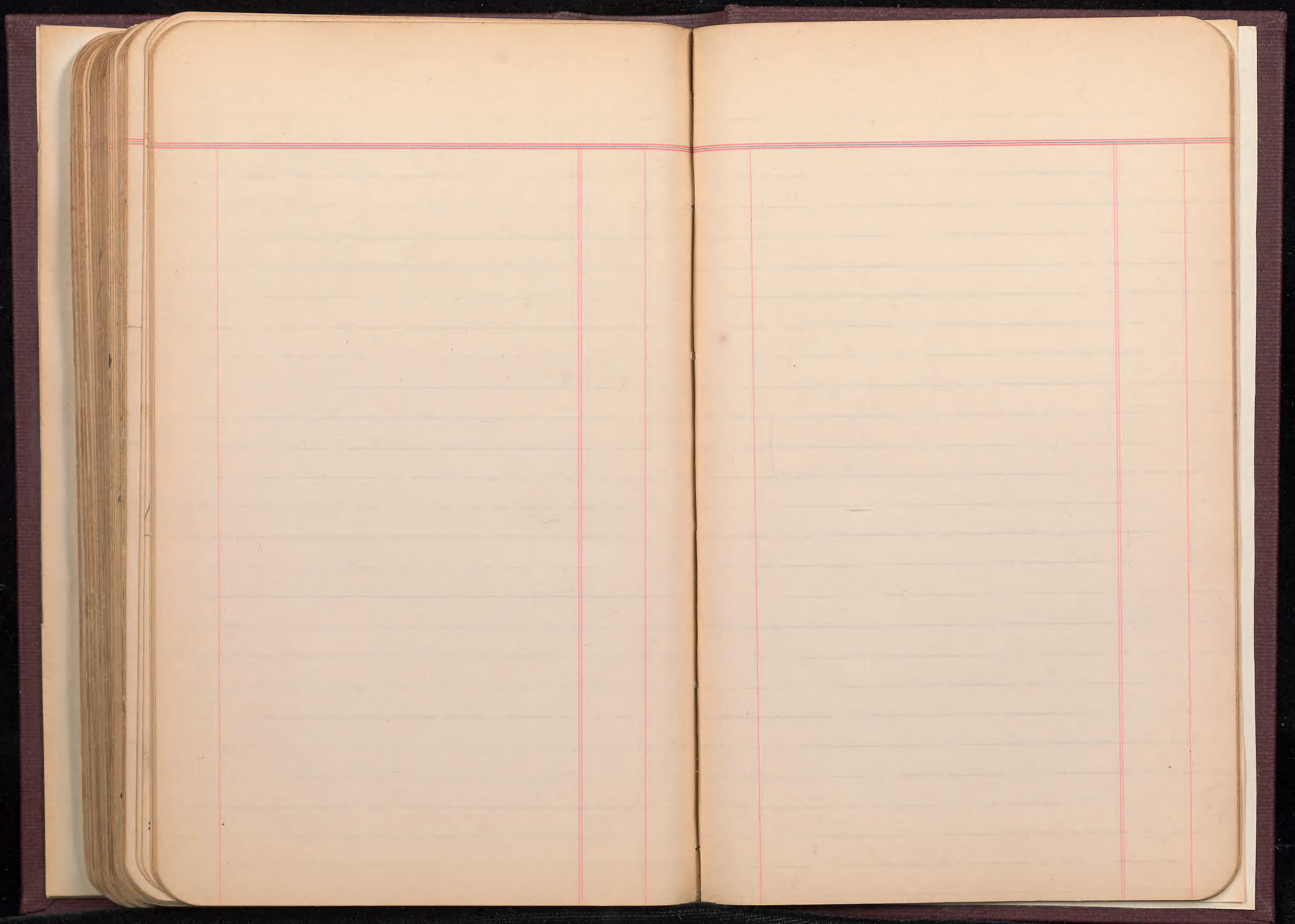
2489 " *rigidifolium* Eustis Fla 1894

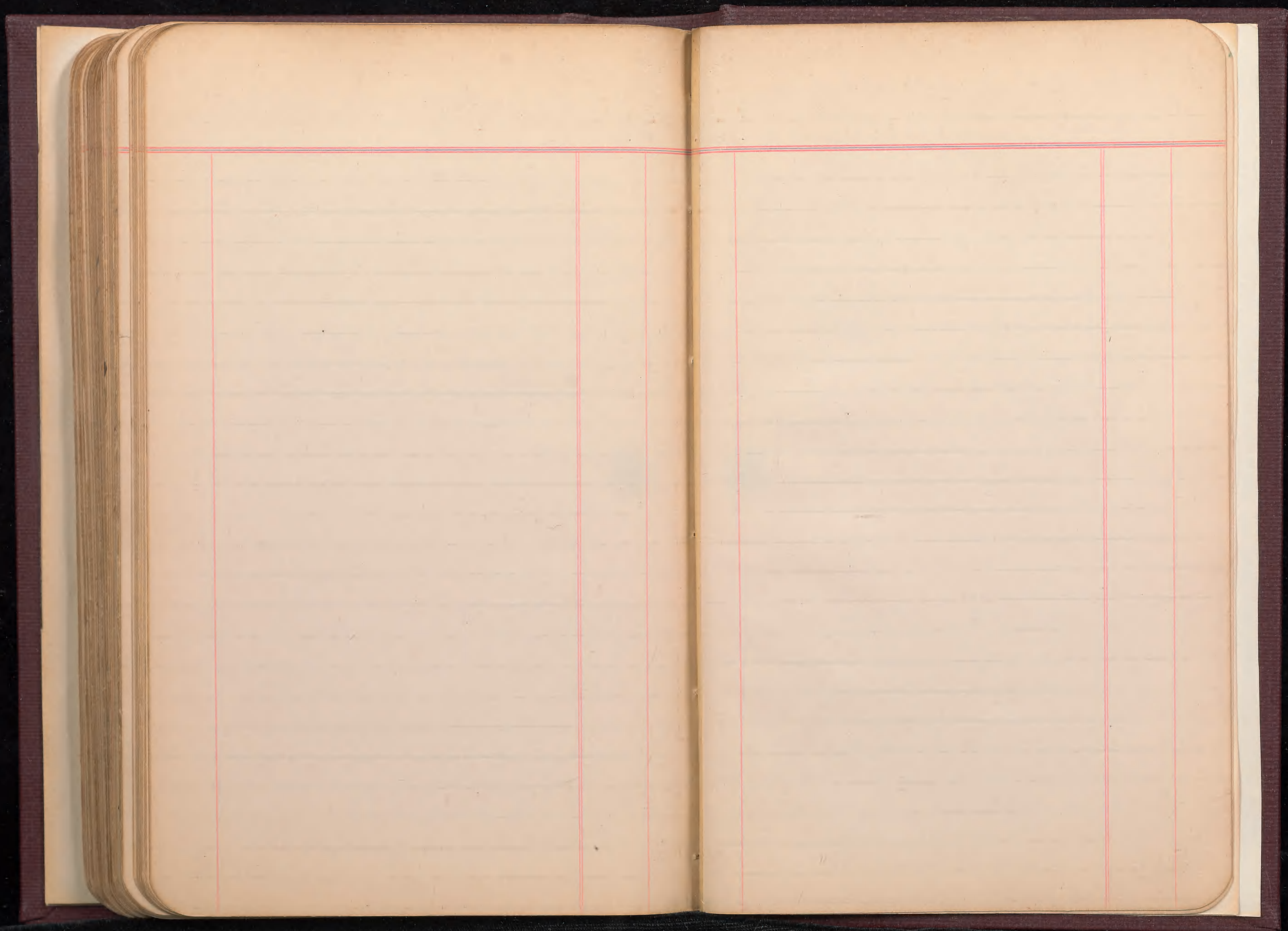
2490 *Pasp ~~setaceum~~ longipedunculatum* Palm Beach, 37 Jack.
conville Dec 1895-Jan 96

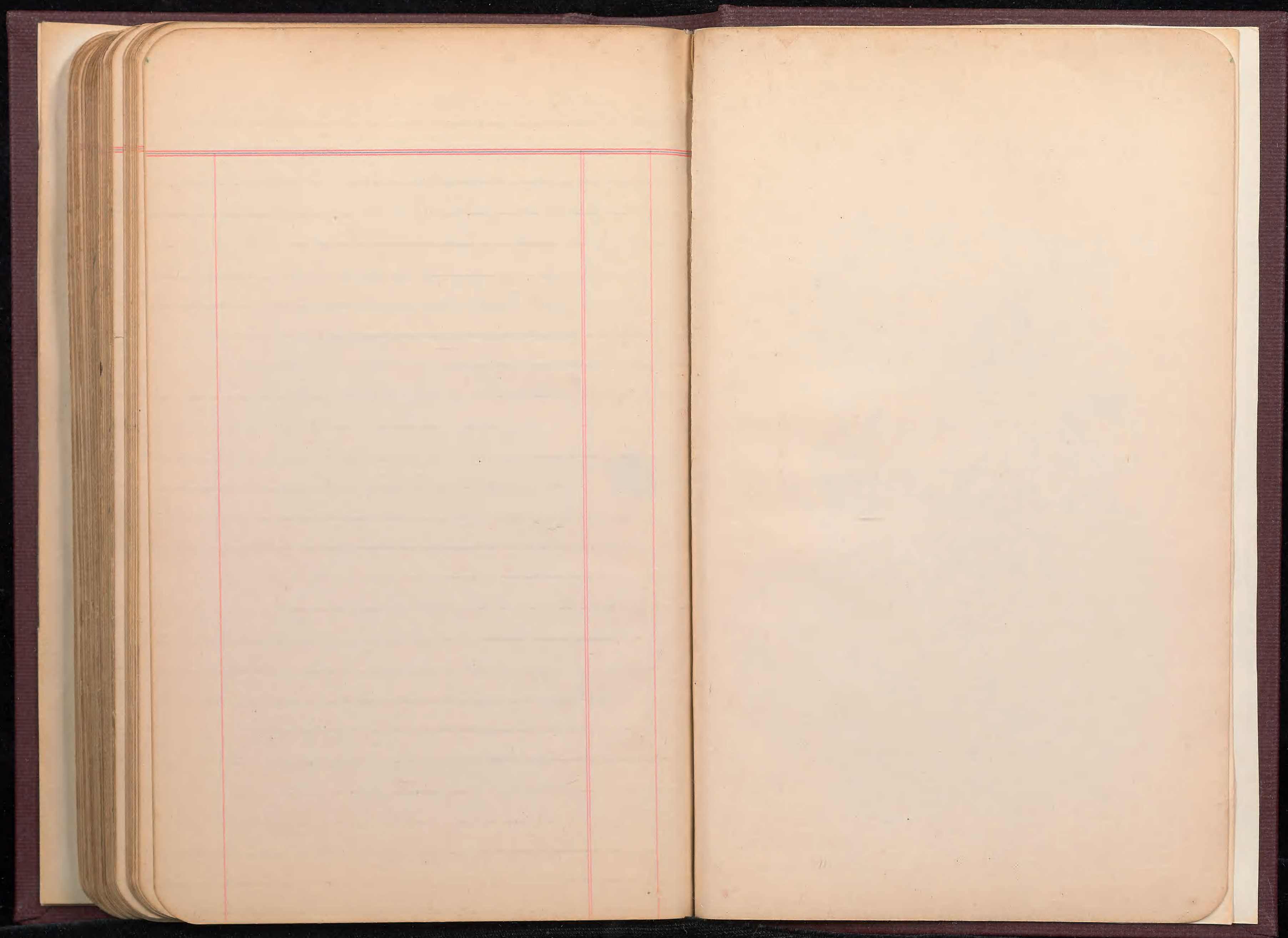
2491 " *setaceum* Levy Co. July-1898

71 Pl 2492 *Pasp longeped* New River Fla
Dec 26 1895-Jan 1896

71 Pl 2493 *Pasp longeped* Eustis July 1894







6468

